



भारत का राजपत्र

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No. 2] NEW DELHI, SATURDAY, JANUARY 13, 1990 (PAUSA 23, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 13th January 1990

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Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110005

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,
61, Wallajah Road,
Madras-600 002

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय
एकत्व तथा अभिकल्प

कलकत्ता, दिनांक 13 जनवरी 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,
टोडी हस्टेट
तीसरा तल, लोवर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोवा, केमन तथा दिव
एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
61, बालासाहू रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनि-
काथ तथा एमिनिषिव द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य अग्रवीर बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

धुल्लक :—धुल्लकों की अदायगी या तो नकद की जायेगी
अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश
अथवा डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस
स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक
ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

Calcutta-700020, the 5th December, 1989

No. A-45011/1/89-Admn.—The following holidays will be observed by the Patent Office, Calcutta during the Calendar year 1990 :

Sl. No.	Holidays and Connected Festivals	Date	Day of the Week
1	2	3	4
01.	Republic Day	January, 26	Friday
02.	Basanta Panchami/Sree Panchami	January, 31	Wednesday
03.	Mahabir Jayanti	April, 7	Saturday
04.	Good Friday	April, 13	Friday
05.	Id-ul-Fitr	April, 27	Friday
06.	Buddha Purnima	May, 9	Wednesday
07.	Idu'z Zuha (Bakrid)	July, 4	Wednesday
08.	Muharram	August, 2	Thursday
09.	Janmashtami	August, 14	Tuesday
10.	Independence Day	August, 15	Wednesday
11.	Durga Puja (Maha Ashtami)	September, 27	Thursday
12.	Dussehra (Vijaya Dasami)	September, 29	Saturday
13.	Mahatma Gandhi's Birth Day	October, 2	Tuesday
14.	Diwali (Deepabali)	October, 18	Thursday
15.	Guru Nanak's Birth Day	November, 2	Friday
16.	Christmas Day	December, 25	Tuesday

**APPLICATIONS FOR PATENTS FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20**

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970

The 30th November, 1989

984/Cal/89. Massey-Ferguson Services N.V. Gearbox selector mechanism.

(Convention dated 24th December, 1988) (No. 8830267.4) (U.K.).

985/Cal/89. W. Haking Enterprises Ltd. Miniature 110 Camera.

(Divisional dated 12th March, 1987).

986/Cal/89. W. Haking Enterprises Ltd. Miniature 110 Camera.

(Divisional dated 12th March, 1987).

The 1st December, 1989

987/Cal/89. Fabrique Nationale Herstal. High-performance project's.

988/Cal/89. Wolfgang Priesemuth. Contact switch.

989/Cal/89. Du Pont Canada Inc. Process for extraction of blowing agents from polymeric foams.

990/Cal/89. Lanxide Technology Company, Lp. A process for preparing self-supporting bodies.

991/Cal/89. Lanxide Technology Company, Lp. A method of producing ceramic composite bodies.

992/Cal/89. Lanxide Technology Company, Lp. Process for preparing self-supporting bodies.

993/Cal/89. Lanxide Technology Company, Lp. A method of producing self-supporting aluminum titanate composites and—products relating thereto.

994/Cal/89. Lanxide Technology Company, Lp. A method of bonding a ceramic composite body to a second body.

995/Cal/89. Lanxide Technology Company, Lp. Process for preparing self-supporting bodies.

996/Cal/89. Lanxide Technology Company, Lp. A method of modifying ceramic composite bodies by a post-treatment process and articles produced thereby.

997/Cal/89. Lanxide Technology Company, Lp. A process for preparing self-supporting bodies having controlled porosity and graded properties.

The 4th December, 1989

998/Cal/89. Texaco Development Corporation. Petroleum stream microwave watercut monitor.

999/Cal/89. Ngk Insulators. Ltd. Optical fiber-containing insulators and producing process thereof.

1000/Cal/89. Phillips Petroleum Company. Process for dehydrogenating light alkanes.

1001/Cal/89. Waldemar H. Kurherr. Displacement-type rotary system steam-turbine engine.

The 5th December, 1989

1002/Cal/89. Sampat Mal Bafna. Non-foaming shaving gel and package.

1003/Cal/89. Bimal Chandra Bhattacharyya. Automatic seasaw effect novel Bioreactor system.

1004/Cal/89. Kooperativ Dish-Ussr. A device for locking and sealing of objects.

1005/Cal/89. Hitachi Ltd. Operation support system and operation system.

1006/Cal/89. Krone Aktiengesellschaft. A connector bank.

1007/Cal/89. E. I. Du Pont De Nemours & Company. Novel polyesters and their use as binder filaments and fibers.

1008/Cal/89. Krupp Widia GmbH. Process of coating a basic tool body and tool produced according to this process.

1009/Cal/89. Krupp Industrietechnik GmbH. Vehicle for the mounting of separable bridges.

The 6th December, 1989

1010/Cal/89. Cra Services Ltd. Apparatus for sorting or classifying particles.
[Divisional dated 29th September, 1989]

The 7th December, 1989

1011/Cal/89. Bowthorpe-Hellermann Limited. Cable joining.

(Convention dated 9th December, 1989) (No. 8828784.2) (United Kingdom).

1012/Cal/89. Nico-Pyrotechnik Hanns-Jurgen Diederichs GmbH & Co. Kg. A detonating device, in particular for a propelling charge of a recoilless anti-tank weapon.

1013/Cal/89. Bernard Zimmern. Method of using a thermal expansion valve device, evaporator and flow control means assembly, and refrigerating machine.

The 8th December, 1989

1014/Cal/89. ICI India Limited. An improved liquid phase catalytic process for the reduction of aromatic nitrocompounds to the corresponding aromatic aminocompounds.

1015/Cal/89. Eaton Corporation. Electrically actuated X-Y shifting mechanism.

1016/Cal/89. Mitsuba Electric Manufacturing Co. Ltd. Armature in generator.

1017/Cal/89. Kasei Optonix, Ltd. Phosphors and method for treating the surface thereof.

The 11th December, 1989

1018/Cal/89. Devapriya Mukherjee. Hydrogen Hydride/Fuel cell powered tank cum unit & automatic hydrogen indicator for mini bus transport.

1019/Cal/89. Du Pont Canada Inc. Process and apparatus for modifying polyamide dyeability or amine end content.

1020/Cal/89. Emitec Gesellschaft Fur Emissionstech Nologie Mbh. An assembled shaft.

1021/Cal/89. Biomedical Research Institute. A malarial sporozoite and exoerythrocytic peptide antigen.

The 12th December, 1989

1022/Cal/89. Himont Incorporated. Propylene polymer compositions having good transparency and improved impact resistance.

1023/Cal/89. Columbian Chemicals Company. Carbon black reactor with an elongated choke and method for producing carbon black therewith.

1024/Cal/89. Columbian Chemicals Company. Reactor and method for production of carbon black with broad particle size distribution.

1025/Cal/89. Degussa A. G. N. N-substituted Bis(2, 4-Diamino-S-Triazin-6-y-1)-Tetrasulfines and disproportionation products thereof, Process for their production and their use in vulcanizable rubber mixtures.

1026/Cal/89. Project and Development India Limited. An improved process for the manufacture of fertilizer grade ammonium sulphate from acrylate plant waste.

1027/Cal/89. United Technologies Corporation. Turbine rotor retention system.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-5

The 30th October, 1989

- 991/Del/89. General Foods Corporation, "Method for decaffeinating coffee with a supercritical fluid".
992/Del/89. Kharkovsky Meditsinsky Institut and others, "Device for dental electroanalgesia".

The 31st October, 1989

- 993/Del/89. UOP, "Adsorptive separation of para-xylene using a tetralin desorbent".
994/Del/89. Infrasonik AB, "Method and arrangement for an enforced heat transmission between alimentary bodies and gases".
995/Del/89. Institut Gornogo Dela Imeni A. A. Skochinskogo, "Chain conveyor".

The 1st November, 1989

- 996/Del/89. Harjan Singh, "An improved air filter".
997/Del/89. Sujoy Kumar Guha, "Conversion of computer terminal visual diagram to tactile form for the blind".
998/Del/89. Shriram Institute for Industrial Research, "A process for the alkyl phosphatotinate".
999/Del/89. Shriram Institute for Industrial Research, "A process for the preparation of tetra isopropyl titanate".
1000/Del/89. Shriram Institute for Industrial Research, "A process for the preparation of tetra ethyl titanate".
1001/Del/89. Shriram Institute for Industrial Research, "A process for the preparation of tetra N-butyl titanate".
1002/Del/89. Exxon Chemical Patents, Inc, "Method for preparing polyethylene wax by gas phase polymerization".
1003/Del/89. Krupp Polysius AG, "Apparatus for delivering material to part of a plant".
1004/Del/89. Nadeem Electronics (Pvt) Ltd, "Miniature wideband monolithic amplifier".

The 2nd November, 1989

- 1005/Del/89. The Lubrizol corporation, "A lubricating or functional fluid composition".
[Divisional date 20th April, 1987].
1006/Del/89. Cass R. Kurzinski, "Continuous steel casting machine with adjustable coolant spray".
1007/Del/89. Mefina S.A., "Sewing machine".
1008/Del/89. Mefina S.A., "Control pedal for an electric machine".

The 3rd November, 1989

- 1009/Del/89. The Procter & Gamble Co., "Self-expanding flexible pouch".
1010/Del/89. Samsung Electron Devices Co. Ltd., "Color cathode ray tube lacking inner shield".
1011/Del/89. AKT Consultants Pty. Ltd, "Apparatus and process for drying and comminuting matter".
(Convention date 3rd November, 1988, 16th December, 1988 & 28th September, 1989)
(Australia).
1012/Del/89. Ranjana Gupta, "A process for the extraction of neem oil".

- 1013/Del/89. The Principal Scientist & Head, "A process for the manufacture of flame retardant acrylic fibres".

- 1014/Del/89. Ranjana Gupta, "A process for isolation of active bitter and odoriferous constituents from neem seeds".

- 1015/Del/89. Nuchem Plastics Ltd, "A process for the manufacture of ion exchange membranes".

- 1016/Del/89. Frick India Ltd, "Frigid coil".

- 1017/Del/89. Handy Chemicals Ltd, "Polymeric basic aluminum silicate sulphate".

- 1018/Del/89. Cosmo Holdings Pty Ltd, "Surface acoustic wave devices".

(Convention date 4th November, 1988) (Australia).

APPLICATION FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-5

The 6th November, 1989

- 1019/Del/89. Ranbaxy Laboratories Ltd, "Process for preparation of 2-chlorosulfinyl azefidinones".
1020/Del/89. Jitendra Pal Gupta, "High power factor welding transformer".

The 7th November, 1989

- 1021/Del/89. Samsung Electron Devices Co., Ltd, "Wire-break warning apparatus for heating device of dust removing ultrasonic horn".
1022/Del/89. Samsung Electron Devices Co., Ltd, "Granular material packing apparatus".
1023/Del/89. Samsung Electron Devices Co. Ltd, "Press die".
1024/Del/89. Samsung Electron Devices Co. Ltd, "Triode current measuring device for cathode ray tube".
1025/Del/89. M & T Chemicals, Inc, "Improved stabilizers for halogen-containing polymers".
1026/Del/89. Rohm And Haas Co., "Leather treatment with selected amphiphilic copolymers".
1027/Del/89. Allied Signal Inc, "Process for dimensionally stable polyester yarn".
1028/Del/89. Solvay & Cie, "Cocatalytic composition usable for the polymerization of alpha-olefins".

The 8th November, 1989

- 1029/Del/89. Leif Jakobsson, "Steam condensing method and its apparatus".
1030/Del/89. Leif Jakobsson, "Pipe apparatus in heat accumulator".
1031/Del/89. Council of Scientific & Industrial Research, "A process for the synthesis of novel 2-(4-2-piperidino-alkoxy) phenyl)-3-substituted phenyl-2H-1-benzopyrans".
1032/Del/89. Council of Scientific & Industrial Research, "A process for the synthesis of novel 2-(4-alkoxy-phenyl)-3-substituted phenyl-7-H/alkoxy/acyl-2H-1-benzopyrans".
1033/Del/89. Council of Scientific & Industrial Research, "A process for the synthesis of 2-(4-alkoxy-phenyl)-3-substituted phenyl-7-alkoxy/acyl-2H-1-benzopyrans".
1034/Del/89. Exxon Chemical Patents, Inc, "Method for utilizing triethylaluminum to prepare an alumoxane support for an active metallocene catalysts".

1035/Del/89. Basf Lacke+Farben Aktiengesellschaft, "Liquid, radiation-curable coating compositions for coating glass surfaces".

1036/Del/89. Exxon Chemical Patents, Inc. "Improved polybutene process".

1037/Del/89. Allied Signal Inc. "Method for purification of acids from materials comprising acid and salt".

1038/Del/89. Baroid Technology, Inc. "Threaded pipe joint having improved seal ring entrapment".

The 9th November, 1989

1039/Del/89. Sri Chunnial Lakhaji & Others. "Folding cradle".

1040/Del/89. Steel Authority of India Ltd. "A machine for briquetting waste line fines".

1041/Del/89. Ibico Inter binding GMBH, "Apparatus for binding leaves with heat".

1042/Del/89. Torotrak (Development) Ltd. "Improvements in or relating to transmissions of the toroidal-race rolling-traction type".

(Convention date 21st November, 1988) & (30th January, 1989) (U.K.).

The 10th November, 1989

1043/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of 4-bromo or 4-iodo-2, 8 bis (trifluoromethyl) quinoline".
[Divisional date 7th December, 1988].

1044/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of 5-2-pyridyl-2, 8-bis (trifluoromethyl) quinoline".
[Divisional date 7th December, 1988].

1045/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of mefloquine hydrochloride".
[Divisional date 7th December, 1988].

1046/Del/89. Council of Scientific & Industrial Research, "Electronic capacitive voltage regulator".

1047/Del/89. Council of Scientific & Industrial Research, "A process for the synthesis of alkyl 5(6)-[N¹, N³-dicarboxyguanidino) phenyl] carbonyl-benzimidazole-2-carbamates as antifilarial agents".

1048/Del/89. Council of Scientific & Industrial Research, "A method for the production of magnesia enriched dolomite sinters by single stage process of sintering".

1049/Del/89. Council of Scientific & Industrial Research, "A method for the manufacture of oxide nitride and nitride carbide composite powders".

1050/Del/89. Council of Scientific & Industrial Research, "A process for the synthesis of new generation molecular sieve-silicoaluminophosphate".

1051/Del/89. Council of Scientific & Industrial Research, "A process for synthesis of metal aluminophosphate and metal silicoaluminophosphate".

1052/Del/89. Colgate-Palmolive Co., "Composite sheet material".

1053/Del/89. Colgate-Palmolive Co., "Sheet material".

1054/Del/89. Colgate Palmolive Co., "Antibacterial oral composition".

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-400 013

The 7th November, 1989

298/Bom/1989. Lovejoy India (Pvt.) Ltd. Improved flexible coupling.

299/Bom/1989. Kinetic Engineering Ltd. Improvements in or relating to signalling device for automobiles using magnetos (AC Generators).

300/Bom/1989. Lovejoy India (Pvt.) Ltd. Improvements in or relating to flexible couplings.

301/Bom/1989. Harold J. Hitchcock. Continuous process and apparatus for stem/lamina separator for tobacco leaf.

The 8th November, 1989

302/Bom/1989. Samuel Gershon Mazagonkar & Jacob Moses Nagawkar. Folding privy seat assembly.

The 9th November, 1989

303/Bom/1989. Hindustan Lever Limited. 10th November, 1988, Great Britain. Oral Compositions.

304/Bom/1989. Jaysynth Dyechem Limited. A process for preparation of novel monoazo reactive dyes having at least two reactive systems.

The 10th November, 1989

305/Bom/1989. Ion Exchange India Ltd. An improved process for defluoridation of water.

306/Bom/89. Jaysynth Dyechem Limited. A process for the preparation of monoazo reactive dyes having at least one reactive system.

307/Bom/1989. Jaysynth Dyechem Limited. A process for the preparation of disazo reactive dyes having at least one reactive system.

308/Bom/1989. Brij Mohan Ahuja. A process for manufacturing pre-cast concrete components with wood grain finish on one or both faces thereof for building construction industry and a device for carrying out said process.

The 15th November, 1989

309/Bom/1989. Shridhar Shivram Surve. A motorised rear wheel hub assembly for standard bicycle.

310/Bom/1989. Mohan Nagorao Khante. Improvements in or relating to door and window shutters.

The 16th November, 1989

311/Bom/89. Kambyan Valapil Radhakrishnan Nair. High pressure liquid pump which can be used as a gas compressor also for high pressures.

312/Bom/89. Kambyan Valapil Radhakrishnan Nair. Method for extruding thin walled hollow sections and tubes.

313/Bom/89. Kambyan Valapil Radhakrishnan Nair. Reinforcing hollow section from within.

314/Bom/89. Kambyan Valapil Radhakrishnan Nair. Device for keeping automobiles seat cushions cool while sitting.

- 315/Bom/89. Kambyan Valapil Radhakrishnan Nair. Anti-foul guard for suitcase locking.
- 316/Bom/89. Kambyan Valapil Radhakrishnan Nair. Process for special blank making for metal processing in solid state.
- 317/Bom/89. Kambyan Valapil Radhakrishnan Nair. Solar energy intensifier.
- 318/Bom/89. Kambyan Valapil Radhakrishnan Nair. Process of manufacturing metallic/non-metallic tubes of any length or covering of wires in a continuous process.
- 319/Bom/89. Kambyan Valapil Radhakrishnan Nair. Remote control audio electric switches.
- 320/Bom/89. Kambyan Valapil Radhakrishnan Nair. Rotary device for converting alternating current to direct and vice versa.
- 321/Bom/89. Elcor Corporation. Hydrocarbon gas processing.

The 20th November, 1989

- 322/Bom/89. Joaquim Antonio Valadares. A self running pump.
- 323/Bom/89. Jaysynth Dyechem Limited. A process for the preparation of novel disazo reactive having at least two reactive systems.

The 21st November, 1989

- 324/Bom/89. Mitsubishi Denki Kabushiki Kaisha. Differential protective relay apparatus.

The 23rd November, 1989

- 325/Bom/89. Rathi Engineering Works. Improved power transmitting coupling assembly.
- 326/Bom/89. Waggon Union GmbH. A travelling gear for rail cars.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002

The 20th November, 1989

- 844/Mas/89. Oxford Virology Limited. A process for producing a polypeptide. (February 19, 1987; Great Britain).

(Divisional to Patent Application No. 93/Mas/88).

- 845/Mas/89. Sudhir Kumar & Shiv Raj Kumar. Intelligent on-board rail lubrication system for curved and tangent track.

The 21st November, 1989

- 846/Mas/89. Maschinenfabrik Rieter AG. A method of automatic conveyance of textile material in recipients.

The 22nd November, 1989

- 847/Mas/89. Cheluwachari Kalachari. A device for generating and storing electricity using sea-waves.
- 848/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A process for the hydrothermal production of sodium silicate solutions having a high $\text{SiO}_2 : \text{Na}_2\text{O}$ molar ratio.
- 849/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A process for the hydrothermal production of potassium silicate solution having high $\text{SiO}_2 : \text{K}_2\text{O}$ molar ratio.

- 850/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A process for the hydrothermal production of sodium silicate solutions.

- 851/Mas/89. Separation Dynamics Inc. Closed loop gas dehydration process and apparatus.

- 852/Mas/89. Framatome. Adaptor for screwing or unscrewing threaded connection elements.

- 853/Mas/89. Messier-Hispano-Bugatti. A brake having multiple carbon disks.

- 854/Mas/89. Minnesota Mining and Manufacturing Company. Encapsulant compositions for use in signal transmission devices.

The 23rd November, 1989

- 855/Mas/89. Linton and Hirst Limited. Improvements in laminations. (December 30, 1988; United Kingdom).

- 856/Mas/89. Mefina S. A. A presser foot device for a sewing machine.

- 857/Mas/89. Mefina S. A. Sewing machine.

- 858/Mas/89. Mefina S. A. Zig-Zag machine.

The 27th November, 1989

- 859/Mas/89. Minnesota Mining and Manufacturing Company. Indicia-receptive low adhesion backsize.

- 860/Mas/89. Minnesota Mining and Manufacturing Company. Hollow acrylate polymer microspheres.

- 861/Mas/89. Craig Mengel. An article of Knockdown furniture.

- 862/Mas/89. Hooqovens Groep. B. V. Coating thickness gauge.

- 863/Mas/89. Festo KG. A connection fitting.

The 28th November, 1989

- 864/Mas/89. Mefina S. A. Zig zag sewing machine.

- 865/Mas/89. The Dow Chemical Company. Quaternary Polyamines as sulfite oxidation inhibitor.

- 866/Mas/89. Mr D M Charles & Mr N. Sabapathy. D M C's Buoyancy Cravity Engine.

- 867/Mas/89. Monsanto Company. Substituted thiazoles and their use as fungicides.

- 868/Mas/89. Maschinenfabrik Rieter AG. Yarn package holders. (April 22, 1985; Great Britain). (Divisional to Patent Application No. 70/Mas/86).

The 29th November, 1989

- 869/Mas/89. Cabot Corporation. Aqueous colloidal dispersion of fumed silica, acid and stabilizer.

- 870/Mas/89. Separation Dynamics Inc. Supported hydrophilic membrane.

- 871/Mas/89. Plasma Corporation. Recovery of free aluminium from aluminum dross using plasma energy without use of a salt flux.

- 872/Mas/89. The Dow Chemical Company. A low hydrogen overvoltage cathode for use in a chloralkali electrolytic cell.

(Divisional to Patent Application No. 442/Mas/86).

The 30th November, 1989

- 873/Mas/89. Monsanto Company. Composite solar/safety film and laminated window assembly made therefrom.

874/Mas/89. Enichem Fibre S.p.A. Acrylic procurer for carbon fibres and a method for its preparation.

The 1st December, 1989

875/Mas/89. Mars, Incorporated. Low power control apparatus for a coin operated telephone. May 23, 1989; Ireland).

876/Mas/89. Mars, Incorporated. Method and apparatus for electronic payphone open switch interval management.

877/Mas/89. Cogentech, Inc. Cogeneration System.

878/Mas/89. Showa Denko Kabushiki Kaisha. Medical bag.

879/Mas/89. CTB Inc. Feeder Apparatus.

PATENT SEALED

152113 164117 164130 164168 164187 164188 164233
164381 164382 164384 164391 164392 164393 164394
164453 164462 164504 164506 164526 164534 164546
164547 164548 164561 164564 164566 164579 164593
164594 164595 164596 164597 164598 164610 164612
164613 164616 164618 164674 164676 164721 164723.

CAL - 21

MAS - 9

DEL - 9

BOM - 3.

RENEWAL FEES PAID

145293	146501	146510	146882	147005	147069	147605
148346	148385	148673	148896	148980	149138	149405
149392	149669	149798	149875	150328	150739	151110
151416	151944	152339	152429	152514	152636	152701
153032	153062	153409	153436	153536	153537	153640
153797	154105	154182	154319	154368	154453	154772
154977	154981	154983	154989	155113	155469	155684
155685	155678	155771	155794	156009	156125	156150
156285	156365	156377	157179	157209	157408	157419
159670	159799	159933	159936	160025	160112	160117
160152	160153	160229	160341	160419	160804	160927
160935	161119	161306	161515	161577	161852	161911
161918	162036	162166	162222	162239	162240	162278
162309	162320	163327	162400	162402	162410	162433
162439	162463	162479	162480	162543	162545	162564
162582	162606	162609	162704	162730	162764	162765
162773	162774	162779	162833	162834	162836	162839
162849	162987	163004	163005	163012	163014	163067
163079	163131	163149	163250	163311	163318	163343
163358	163362	163498	163500	163504	163541	163542
163546	163564	163605	163609	163631	163686	163751
163755	163756	163757	163774	163788	163790	163849
163853	163870	163886	163928	163932	163938	163939
163946	163971	163983	163987	164040	164048	164058
164135	164158	164159	164189	164218	164219	164232
164246	164247	164256	164288	164293	164296	164298
164299	164300	164306	164344	164345	164354	164355
164357	164370					

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that British Railways Board, of 222 Marylebone Road, London N.W. 1, England, a British Public Authority established under the Provisions of the Transport Act 1962 have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their Patent No. 157611 for Central system for Controlling the passage of vehicles. The application for amendment and the proposed amendments can be inserted free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Siemens Aktiengesellschaft, a Company of Berlin and Munich, West Germany have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 152031 for an electrical Switchgear assembly. The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 162148 dated the 19th April 1984 made by Kabushiki Kaisha Meidensha on the 4th April 1989 and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1989 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 156438 dated the 20th April 1982 made by Eaton Corporation on the 3rd April 1989 and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1989 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 154458 dated the 2nd September 1981 made by Cosden Technology, Inc on the 11th April 1989 and notified in the Gazette of India, Part III, Section 2 dated the 17th June 1989 has been allowed and the said Patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 161307 dated the 23rd July 1984 made by Kosan Teknova A/s on the 3rd February 1989 and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1989 has been allowed and the said Patent restored.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by M/s. Bajaj Auto Ltd. to the grant of a patent on application No. 164655 made by M/s. Piaggio & C S P A as notified in the Gazette of India, Part III, Section 2 dated the 18th November, 1989 has been treated as abandoned and ordered that a patent on the said application shall be sealed.

(2)

The opposition entered by M/s. Bajaj Auto Ltd to the grant of a patent on application No. 164656 made by M/s. Piaggio & CSPA as notified in the Gazette of India, Part III, Section 2 dated the 18th November, 1989 has been treated as abandoned and ordered that a patent on the said application shall be sealed.

(3)

The application for Patent No. 151868 made by M/s. Primatex Machinery Pvt. Ltd. in respect of which opposition was entered by M/s. SLM Maneklal Industries Ltd. as notified in the Gazette of India, Part III, Section 2 dated the 17th March, 1984, the opposition has been dismissed and ordered that the patent to be sealed.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160544 granted to Michael John Pook for an invention relating to 'a sealing ring for joint between two fluid conveying pipes'.

The patent ceased on the 25th November 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-11-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 13th, March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158140 granted to Krishna Mohan Dayal for an invention relating to "tyre deflation warning device".

The patent ceased on the 23rd November, 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-11-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 13th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162415 granted to Kaloramba Pty. Ltd. for an invention relating to "a method of producing a Combustible Briquette".

The patent ceased on the 8th May 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-11-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 13th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Name indexes of Applications for Patents for the month of January, 1989 (Nos. 1/Cal/89 to 102/Cal/89, 1/Bom/89 to 25/Bom/89, 1/Mas/89 to 83/Mas/89 and 1/Del/89 to 95/Del/89)

Name	Appln. No.
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A

Aerospatiale Societe Nationale Industrielle.—10/Del/89.
Aerospatiale Societe Nationale Industrielle, S.A.—101/Cal/89.
Air Products & Chemicals, Inc.—80/Mas/89.
Alcan International Ltd.—54/Del/89.
Apex Medical Technologies, Inc.—23/Mas/89, 24/Mas/89
Argyle Diamond Sales Ltd.—84/Cal/89.
Armco Inc.—89/Del/89.
Asea Brown Boveri Ltd.—49/Mas/89, 50/Mas/89, 51/Mas/89.

B

BASF Aktiengesellschaft.—42/Mas/89.
B. F. Goodrich Co. The.—69/Del/89.
Baltimore Aircoil Co. Inc.—8/Mas/89, 9/Mas/89.
Bard Ltd.—52/Mas/89.
Baus, H. G.—15/Mas/89, 36/Mas/89.
Belsare, P. K.—14/Bom/89.
Best Industries, Inc.—85/Del/89, 86/Del/89.
Bharat Heavy Electricals Ltd.—31/Del/89.
Binacchi & C.S.r.l.—64/Cal/89.
Biolandes.—32/Del/89.
Boots Co. (India) Ltd. The.—1/Bom/89, 2/Bom/89, 3/Bom/89, 4/Bom/89, 5/Bom/89.
Boving Newton Chambers Ltd.—79/Del/89.
British Petroleum Co. p.l.c. The.—72/Mas/89.

C

CTB, INC.—41/Mas/89.
Carrier Corporation.—8/Cal/89.
Caterpillar Inc.—4/Mas/89.
Ceerts, J. G. C.—100/Cal/89.
Centre Scientifique Et Technique Du Batiment.—35/Del/89.
Chawla, S. K.—3/Del/89.
Chee, S. W.—94/Cal/89.
Chevron Research Co.—32/Mas/89.
China Petrochemical Corporation.—98/Cal/89.
Christian, R.—65/Mas/89.
CJirwatkar, N. D.—9/Bom/89.
Colgate Palmolive Co.—5/Del/89, 71/Del/89.
Colortronic Reinhard GmbH & Co. Kg.—11/Cal/89.
Compagnie Generale Des Etablissements Michelin-Michelin & CIE.—53/Mas/89.
Connaughton, N. Connaughton, S.—22/Cal/89.
Costal Mud Incorporated.—61/Cal/89.
Council of Scientific & Industrial Research.—6/Del/89, 7/Del/89, 38/Del/89.
Crompton Greaves Ltd.—22/Bom/89.

Name	Appln. No.	Name	Appln. No.
D		Gosudarstvenny Nauchno Issledovatel'sky Institut Khimii i Tekhnologii Elementoorganicheskikh Soedineniy "Gniukhtef".—21/Del/89.	
D. C. P. AF Dantmar S.r.l.—55/Mas/89.		Gulde-Regelarmaturen GmbH & Co. KG.—3/Mas/89.	
D. C. P. AF Dantmar S.r.l.—55/Mas/89.		Gupta, J. S.—58/Del/89.	
Dartnall Engineering & Innovation Pty. Ltd.—2/Mas/89.		H	
Das, H. P.—83/Cal/89.		Hairetidinov, E. Dr.—23/Bom/89.	
Das, P. L.—62/Cal/89.		Henkel Kommanditgesellschaft auf Aktien.—25/Mas/89, 34/Mas/89, 35/Mas/89, 44/Mas/89.	
Delsey.—52/Del/89, 53/Del/89.		Hindustan Lever Ltd.—16/Bom/89.	
Desai, T. G.—18/Bom/89.		Hitachi Construction Machinery Co. Ltd.—79/Cal/89.	
Devilbiss Co. Ltd. The.—77/Del/89.		Hitachi Ltd.—72/Cal/89.	
Dhanish, P. B.—54/Mas/89.		Hoechst Aktiengesellschaft.—47/Cal/89.	
Donetsky Politekhicheskyy Institut USSR.—85/Cal/89.		Honey Bull Inc.—24/Bom/89.	
Dow Chemical Co. The.—21/Mas/89, 70/Mas/89, 75/Mas/89.		I	
Dresser Industries, Inc.—28/Del/89.		IMC Fertilizer, Inc.—40/Mas/89.	
Drew Chemical Corporation.—99/Cal/89.		Imperial Chemical Industries PLC.—16/Del/89, 17/Del/89, 20/Del/89, 66/Del/89, 84/Del/89.	
Drolia Fuels Pvt. Ltd.—26/Cal/89.		Indian Institute of Technology.—16/Mas/89.	
Du Pont Canada, Ind.—14/Cal/89.		Indian Jute Industries' Research Association.—23/Cal/89.	
Duffeit-Smith, P.J.—10/Mas/89.		Industrial Management Co.—51/Del/89.	
Dynavac Gesellschaft Mit Beschränkter Haftung.—72/Del/89.		Ingenioer, Og Arktiektfirmaet.—64/Mas/89.	
E		Institut Bioorganicheskoi Khimii Akademii Nauk Uzbexkoi SSR.—33/Cal/89, 65/Cal/89.	
E.I. Du Pont De Nemours & Co.—25/Cal/89, 42/Cal/89, 45/Cal/89, 86/Cal/89, 92/Cal/89.		Institut Fiziki Vysokikh Davleniy Imeni L.F.—3/Cal/89.	
Eagle Flask Industries Pvt. Ltd.—10/Bom/89, 11/Bom/89.		Institut Francais Du Petrole.—69/Mas/89.	
Ecolab, Inc.—82/Cal/89.		Institut Mekhaniki Metallopolimernykh Sistem Akademii Nauk Belorusskoi SSR.—16/Cal/89.	
Emitec Gesellschaft Für Emissionstechnologie MBH.—17/Cal/89, 77/Cal/89.		Instytut Cieszkiej Syntezy Organicznej "Blachownia".—36/Cal/89.	
Etablissement Public De l'etat Dit : Office National D' Etudes Et De Recherches Aerospatiales.—101/Cal/89.		International Paint Public Ltd, Co.—95/Del/89.	
Ethicon, Inc.—41/Cal/89, 87/Cal/89.		J	
F		JCT Controls Ltd.—76/Cal/89.	
Fosco International Ltd.—29/Mas/89, 62/Mas/89, 71/Mas/89.		JGC Corporation.—93/Cal/89.	
Franz Plasser Bahnbaumaschinen - Industrie-gesellschaft m.b.H.—88/Cal/89.		J.S.F. Holdings (Cork) Ltd.—39/Cal/89.	
Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E. V.—95/Cal/89.		Jain, M. K.—27/Cal/89, 28/Cal/89, 29/Cal/89.	
Fritz Studer AG.—58/Cal/89.		James Hardie Irrigation, Inc.—47/Mas/89.	
Fuller Co.—15/Del/89.		Joshua, V.—18/Mas/89.	
G		K	
GTG, Inc.—68/Del/89.		Kabushiki Kaisha Nisshin Seisakusho.—46/Cal/89.	
Gagnon, P.—67/Del/89.		Kang, J. S.—27/Del/89.	
General Electric Co.—51/Cal/89.		Kar, A.—74/Cal/89.	
General Food Corporation.—36/Del/89.		Kar, S. B.—74/Cal/89, 75/Cal/89.	
General Signal Corporation.—11/Del/89.		Kelkey-Hayes Co.—71/Cal/89.	
General Tire, Inc.—44/Del/89.		Kent-Moore Corporation.—30/Cal/89.	
Genicom Corporation.—14/Del/89.		Kievsky Politekhicheskyy Institut Imeni 50 Letia Velikoi Otyabryskoi Sotsialisticheskoi Revolyutsii USSR.—10/Cal/89.	
Gerin, M.—73/Mas/89.		Klas Engineering Pvt. Ltd.—81/Mas/89.	
Ghosh, A.—90/Cal/89.		Klenzids Engineers Pvt. Ltd.—13/Bom/89.	
Gomelsky Politekhicheskyy Institut.—4/Del/89.		Klockner CRA Patent GmbH.—89/Cal/89.	
Goodyear Tire & Rubber Co. The.—9/Del/89.			
Gopi, M.—26/Mas/89.			
2—417 GI/89			

Name	Appln. No.
K—Contd.	
Kramatorsky Industrialny Institut.—5/Cal/89.	
Krishnasamy, K. S.—38/Mas/89.	
Krone Aktiengesellschaft.—55/Cal/89.	
Krupp Bruninghaus GmbH.—63/Cal/89.	
Krupp Koppers GmbH.—96/Cal/89, 97/Cal/89.	
Kumar, P.—13/Del/89, 24/Del/89, 33/Del/89.	
Kurner, R.—60/Cal/89.	

L

Laforest, P.—67/Del/89.
Lasxide Technology Co. LP.—6/Cal/89, 7/Cal/89.
Larsen & Toubro Ltd.—17/Bom/89.
Leis, R.—82/Mas/89.
Lewis, M. R.—63/Mas/89.
Limitorque Corporation.—66/Cal/89, 67/Cal/89.
Lonza Inc.—40/Del/89.
Lubrizol Corporation. The.—42/Del/89, 48/Del/89.
Lucas Industries Public Ltd. Co.—79/Mas/89.
Lu, Fengshang.—48/Mas/89.

M

M & T Chemicals Inc.—55/Del/89.
Mallinckrodt, Inc.—70/Del/89.
Manoharlal.—50/Del/89.
Martin Engineering Co.—24/Cal/89.
Maschinenfabrik Gustor Eirich.—31/Cal/89.
Maschenfabrik Rieter Ag.—22/Mas/89.
Maschinenfabrik Sulzer-Burckhardt AG.—25/Del/89, 26/Del/89, 92/Del/89, 93/Del/89.
Metallurgical & Engineering Consultants (India) Ltd.—102/Cal/89.
Mezhotraslevoi NauchnoTekhnicheskyy Komplex "Mikrokhirurgia Glaza".—56/Del/89, 78/Del/89.
Middelburg Steel & alloys (Proprietary) Ltd.—8/Del/89.
Minnesota Mining & Manufacturing Co.—13/Mas/89, 14/Mas/89, 46/Mas/89, 57/Mas/89.
Mitsui Toatsu Chemicals Inc.—74/Mas/89.
Mittal, A. K.—30/Del/89.
Mitoyo Corporation.—56/Cal/89.
Mohanty, D. D.—18/Cal/89.
Monsanto Co.—39/Mas/89.
(2) Moskovsky Gosudarstvennyy Meditsinsky Institut Imeni N. I. Pirogova.—13/Cal/89, 43/Cal/89.
Mukherjee, C. R.—78/Cal/89.
Muller, F. F.—11/Cal/89.
MultiStock Pty. Ltd.—37/Mas/89.

N

N-Viro Energy Systems Ltd.—80/Cal/89.
Nath, R. G. Dr.—19/Mas/89.
National Council for Cement & Building Materials.—64/Del/89.
National Research Development Corporation.—29/Del/89.

Name	Appln. No.
Nauchno Proizvodstvennoe Obiedinenie Po Mekhanizatsii, Robotizatsii Trudai Sovershenstvovaniyu Remontnogo Obe-spechenia Na Predpriyatiyakh Chernoi Metallurgii NPO "Chermetmetkhanizatsia".—4/Cal/89, 37/Cal/89.	
Novatech Energy Systems Inc.—68/Mas/89.	

O

Oil & Natural Gas Commission.—59/Del/89, 60/Del/89, 61/Del/89, 62/Del/89, 63/Del/89.
Olin Corporation.—83/Del/89.
Onocki, J. Theodore.—9/Cal/89.
Owens-Corning Fiberglas Corporation.—69/Cal/89.
Oy, H.—73/Cal/89.
Oy, K.—5/Mas/89.

P

Patwardhan, B. K.—8/Bom/89.
Pennwalt Corporation.—59/Cal/89.
Plessey Overseas Ltd.—20/Mas/89.
Polymer Papers Ltd.—1/Del/89, 2/Del/89.
Prakash, V.—81/Del/89.
Procter & Gamble Co. The.—76/Del/89.
Proizvodstvennoe Obiedinenie Nevsky Zavod "Imeni N. I. Lenina".—5/Cal/89.
Proizvodstvennoe Obiedinenie "Novokramatorsky Mashinostroitelny Zavod".—5/Cal/89.
Projects & Development India Ltd.—12/Cal/89.

R

Radiotekhnicheskyy Institut Imeni Akademika A. I.—2/Cal/89.
RAD/RED Laboratories Inc.—65/Del/89.
Rajagopalan, D. N. M.—12/Mas/89.
Ranbaxy Laboratories Ltd.—37/Del/89, 73/Del/89.

R—Contd.

Rao, A. S.—45/Mas/89.
Research Institute of Beijing Yanshan Petrochemical Corporation.—98/Cal/89.
Richard, J. A.—31/Mas/89.
Robbins, E. S. (III).—9/Cal/89.
Rohm & Haas Co.—57/Del/89, 82/Del/89.
Rutchinsen & Merip Oil Tools International.—43/Mas/89.

S

Salplex Ltd.—34/Del/89.
Sandoz Ltd.—27/Mas/89.
Sandvik Rock Tools, Inc.—22/Del/89.
Sen, M. Dr.—40/Cal/89.
Sen, S. K.—90/Cal/89.
Separation Dynamics Inc.—28/Mas/89, 30/Mas/89, 56/Mas/89.
Siemens Aktiengesellschaft.—19/Cal/89, 52/Cal/89, 53/Cal/89, 70/Cal/89, 91/Cal/89.
Sharkan, A. L.—11/Mas/89.
Sharma, B. A. V. K.—60/Mas/89, 61/Mas/89.
Sharma, G. S.—18/Del/89.
Sharma, O. S.—74/Del/89.

Name	Appln. No.
S—Contd.	
Shell Internationale Research Maatschappij B. V.—94/Del/89.	
Shet, G. V.—7/Mas/89.	
Shri A. M. M. Murugappa Chettiar Research Centre.—29/Del/89.	
Shriram Institute for Industrial Research.—87/Del/89, 88/Del/89.	
Shrivastava, O. Dr.—23/Bom/89.	
Smith Glass Products Pvt. Ltd.—6/Bom/89, 7/Bom/89.	
Societe Anonyme Dite : Compagnie De Raffinage Et De Distribution Total France.—68/Cal/89.	
Societe Chimique Des Charbonnages S.A.—1/Cal/89.	
Stamcarbon B. V.—58/Mas/89, 59/Mas/89.	
Steel Authority of India Ltd.—75/Del/89.	
Stephen, D.—83/Mas/89.	
Storopack Hans Reichenecker GmbH Co.—19/Bom/89.	
Supnkar, P. V.—15/Bom/89.	

T

TKAC Rim Enterprises Ltd.—19/Del/89.
TVS-Suzuki Ltd.—66/Mas/89, 67/Mas/89.
Taber, A. M.—20/Bom/89.
Tashkentsky Gosudarstvennyy Universitet Imeni V. I. Lenina USSR.—65/Cal/89.
Tatarsky Gosudarstvenny Nauchno. Issledovatel'sky I Proektny Institut Nefyanoi Promishlennosti.—38/Cal/89.
Techimport S. A. 43/Del/89.
Texaco Development Corporation.—54/Cal/89.
Thakattil, J. D.—1/Mas/89.
Thermon Manufacturing Co.—6/Mas/89.
Thorat, D. K.—21/Bom/89.
Trutzschler GMBH & Co KG.—44/Cal/89.
Tullman, R.—49/Del/89.

U

UOP Inc.—90/Del/89.
Union Carbide Corporation.—12/Del/89.
Union Rheinische Braunkohlen Kraftstoff AG.—41/Del/89.
United Catalysts Inc.—81/Cal/89.
Uvarov, N. Dr.—23/Bom/89.

V

V. I. P. Industries Ltd.—25/Bom/89.
Veb Kombinat Nagema.—15/Cal/89.
Vijayan, T. A.—76/Mas/89, 77/Mas/89, 78/Mas/89.
Vijayan, T. A.—75/Mas/89, 77/Mas/89, 78/Mas/89.
Vitalink Communication Corporation.—23/Del/89.
Voest-Alpine Maschinenbau Gesellschaft M B H.—57/Cal/89.
Vsesojuzny Nauchno-Issledovatel'sky I Proektno-Konstruktivnyy Institut Neftyanogo Mashinostroyeniya Vniineftezh.—32/Cal/89.

Name	Appln. No.
W	
WED Elektrotechnik GmbH.—33/Mas/89.	
Wagh, A. S.—12/Bom/89.	
Warner-Lambert Co.—80/Del/89.	
Westinghouse Brake & Signal Holdings Ltd.—45/Del/89, 46/Del/89, 47/Del/89.	
Westinghouse Electric Corporation.—20/Cal/89, 21/Cal/89, 34/Cal/89, 35/Cal/89, 48/Cal/89, 49/Cal/89, 50/Cal/89.	
Widia (India) Ltd.—17/Mas/89.	
Y	
Yait, I. D.—39/Del/89.	
Z	
Zaklady Chemiczne "Blachownia".—36/Cal/89.	

COMPLETE SPECIFICATION ACCEPTED

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक व्यक्ति, इसके निगम की तिथि से 4 महीने या अग्रिम एंसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हों के भीतर कभी भी नियंत्रक, एकत्र को एंसी विरोध की सूचना विहित प्रपत्र 15 पर दे सकेंगे। विरोध सम्बन्धी विहित वक्तव्य: उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में दत्त विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिये।

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मूद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मूद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटों प्रतियां यदि कोई हों; कें साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय में पत्र व्यवहार द्वारा सुनिश्चित करने के उपरंत उसकी अदायगी पर की जा सकती है। विनिर्देशों के पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेखों कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

165781

A METHOD OF CONSTRUCTING A BUILDING
AND A BUILDING SO CONSTRUCTED.

Inventor : ROBERT GORDON SEALEY.

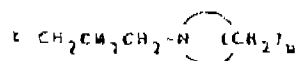
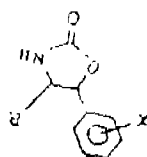
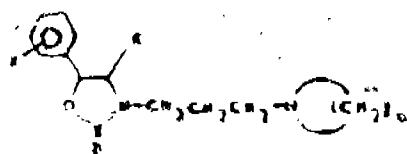
Application No. 681/Mas. 85 filed August 30, 1985.

Convention date : August 31, 1984; (No. PG 6871;
Australia).

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

19 Claims

A method of constructing a building which comprises:
establishing a non-structural skeleton template of elongated preformed longitudinal and lateral members;



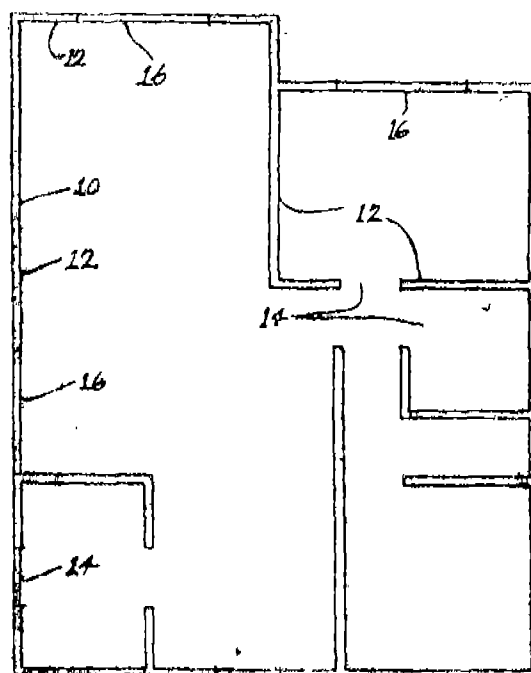
positioning backing means in a 'space or spaces defined by the templet to form a coatable assembly which

has a depth which is small compared to its longitudinal and lateral dimensions and is arranged to receive a coating of cementitious material;

the coatable assembly containing recesses extending both longitudinally and laterally, each recess corresponding with and extending lengthwise of a templet member, having an open end facing outwardly of the coatable assembly and a depth extending in the same direction as the depth of the coatable assembly;

locating longitudinally extending reinforcing means in each recess;

applying a layer of cementitious material containing fibre reinforcement means to the backing means to cover at least a part of one side of the backing means and to fill recesses of the templet to form a reinforced structural cementitious building element having a layer of cementitious material and integral reinforced cementitious material ribs projecting from the layer said corresponding with the recesses of the templet.



Compl. specn. 16 pages

Drg. 10 sheets

Int. CLASS⁺ : H 01 H 33/00

165782

GAS-BLAST SWITCH SUITABLE FOR SWITCHING HIGH VOLTAGE.

BBC BROWN, BOVERI LIMITED, OF CH-5401
BADEN, SWITZERLAND, A COMPANY INCORPORAT-
ED BY THE LAWS OF SWITZERLAND.

Inventor : GERHARD MAUTHE.

Application No. 702/Mas/85 filed September 9, 1985.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

Gas-blast switch suitable for switching high voltage comprising :

a quenching-gas-filled housing (1);
an expansion volume (13) enclosed by the housing (1);
two contact members (8a, 17a) which are located

in the housing (1) and can be brought into or out of engagement with each other along an axis, each comprising an arc contact (8, 17) and a rated current contact (9a, 18);

a quenching chamber housing (10a) coaxially surrounding the arc contact (8) of a moving contact (8a) of both contact members (8, 17a) and rigidly connected to this moving contact;

an opening (34) penetrating the quenching chamber housing (10a) and penetrated by the arc contact (17) of a fixed contact member (17a) of the two contact members (8a, 17a) in the switched-on condition;

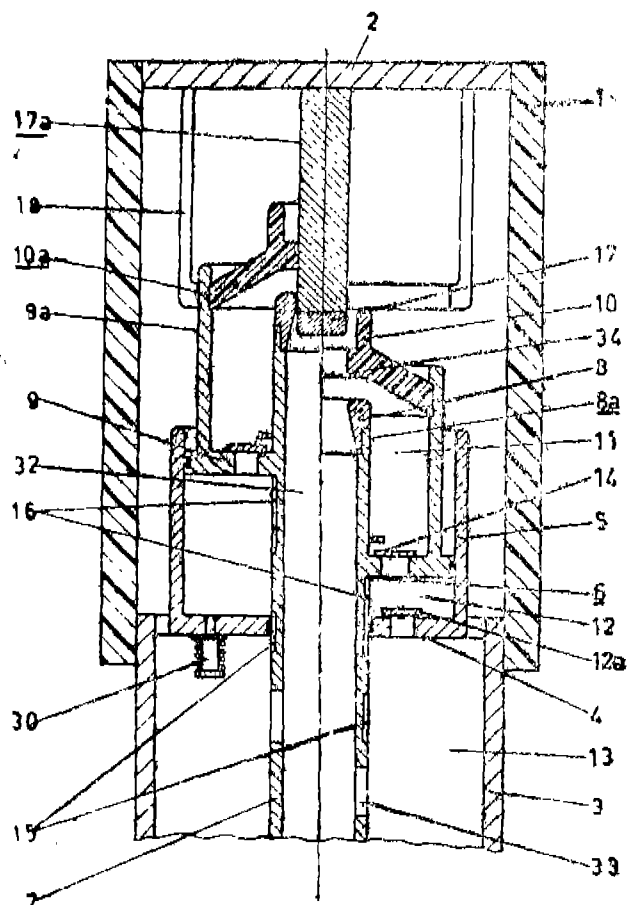
a heating volume (11) located in the quenching chamber housing (10a) and arranged coaxially to the arc contact (8) of the moving contact member (8a), for accommodating quenching gas which is heated up by the switching arc in the interior of the quenching chamber housing (10a) during the switching-off operation;

a compression slider (6) which is mounted at the quenching chamber housing (10a), for generating compressed quenching gas during the switching-off operation in a compression volume (12) arranged coaxially to the moving contact member (8a); and

a back-pressure valve (14) mounted at the compression slider (6) and located in the heating volume (11), characterised in;

that the arc contact (8) of the moving contact member (8a) has a discharge duct (32) which extends in axial direction from its free end facing the fixed contact member (17a) and opens into the expansion volume (13); and

that between the compression volume (11) and the expansion volume (13) a device for controlling the pressure and for refilling the quenching gas located in the compression volume (12) is provided.



Compl. specn. 15 pages

Doc. 2 sheets

Int. CLASS¹: F 01 K 25/10

165783

APPARATUS FOR GENERATING ENERGY USING A MULTI-COMPONENT WORKING FLUID.

Applicant & Inventor : ALEXANDER ISAI KALINA,
A CITIZEN OF U.S.A., OF 12214 CLEARFORK DEVICE,
HOUSTON, TEXAS 77077 U.S.A.

Application No. 728/Mas/85 filed September 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

An apparatus for generating energy using a multi component working fluid comprising:

a distilling device for vaporizing, at an upper intermediate pressure, only part of an initial multi-component working fluid stream having lower and higher temperature boiling components to form a first vapor fraction, said first vapor fraction being enriched with said lower boiling temperature component;

a first mixer for mixing the first vapor fraction with part of the initial working fluid stream and absorbing it therein to produce a rich solution enriched relatively to the initial working fluid stream with respect to the lower temperature boiling component, and using a remaining part of the initial working fluid stream as a lean solution which is impoverished relatively to the rich solution with respect to the lower temperature boiling component;

a first pump for increasing the pressure of the rich solution to a charged high pressure level;

a boiler for evaporating the rich solution to produce a charged gaseous main working fluid;

a turbine for expanding the charged gaseous main working fluid to a spent low pressure level to transform its energy into usable form;

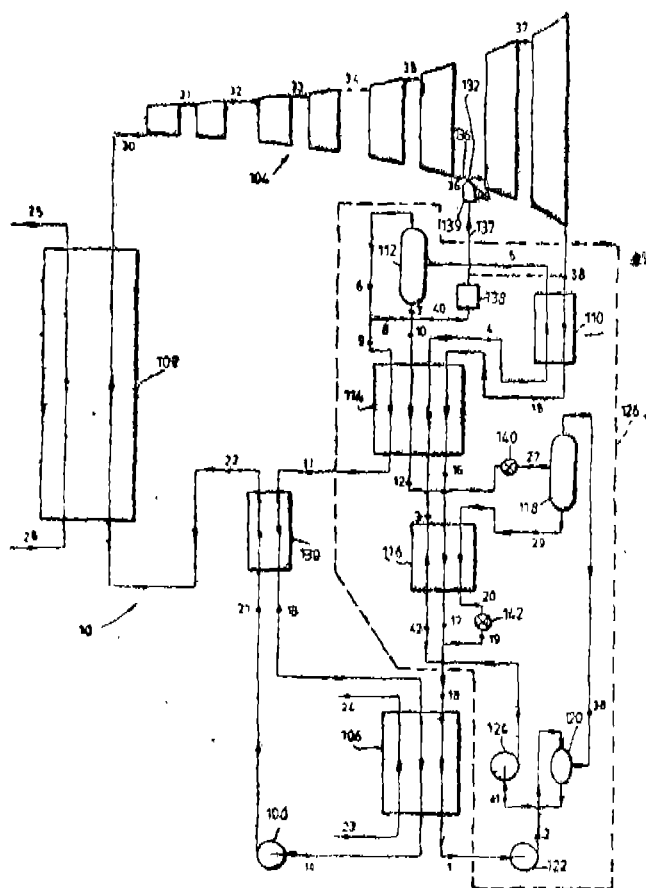
a second mixer for mixing the spent main working fluid with a lean solution at the spent low pressure level to form a distillation fluid;

a second pump for increasing the pressure of the distillation fluid to a lower intermediate pressure;

a separator for separating from part of said lean solution a second vapor fraction enriched with said lower boiling temperature component with respect to said distillation fluid;

a third mixer for mixing said second vapor fraction with said distillation fluid to form a mixture; and

a third pump for increasing of said mixture to said upper intermediate pressure to form said initial multicomponent working fluid stream.



Compl. specr. 26 pages

Drq. 1 sheet

Int. CLASS: C 25 B 11/06

165784

AN ANODE FOR USE IN A FUEL CELL AND THE PROCESS OF PREPARATION THEREOF.

Applicant : INDIAN INSTITUTE OF SCIENCE, BANGALORE-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE.

Inventor : ASHOK KUMAR SHUKLA; KOLAR VENKATARAM RAMESH.

Application No. 805/Mas/85 filed 14th October 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

An anode for use in a fuel cell having hydrogen as fuel comprising :

- a carbon substrate formed from coconut shells and a catalyst comprising platinum or Pt-Ru-bimetal deposited thereon in a proportion of 1 to 15% by weight of the substrate.

Compl. specn. 8 pages

Drq. 1 sheet

Int. CLASS: B 22 D 11/14

165785

AN INSTALLATION FOR CONTINUOUS VERTICAL ASCENDING CASTING OF IRON PIPES.

Applicant : PONT-A-MOUSSON S.A., OF 91, AVENUE DE LA LIBERATION, 54000 NANCY, FRANCE, A FRENCH COMPANY.

Inventor : MICHEL PIERREI

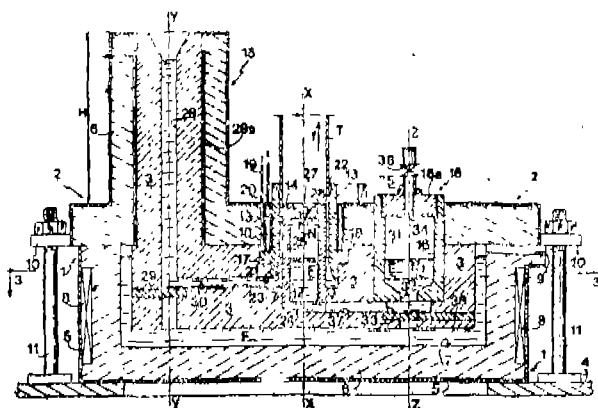
Application No. 910/Mas/85 filed November 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

16 Claims

An installation for the continuous vertical ascending of iron pipes, comprising :

- (a) an electrically heated furnace;
- (b) a removable refractory cover for the closure of the top of the furnace;
- (c) an assembly of graphite elements carried by the cover and extending into the furnace, said assembly including—
 - (1) a tubular die and a coaxial hollow core disposed within the die so as to define therewith an annular casting channel;
 - (2) a feed device for supplying molten iron to the casting channel; and
 - (3) an expansion vessel communicating with a cavity of the core for, regulating the temperature thereof by controlling the level of molten iron within the cavity; and
- (d) means for cooling an outer surface of the die, wherein the exterior surface of the assembly of graphite elements locates with clearance within the furnace to provide a space for a bath of molten metal which serves to maintain the molten metal in the feed device, at an entry to the casting channel, in the expansion vessel and in the core cavity at a desired temperature.



Compl. specn 19 pages

Drq. 3 sheets

Int. CLASS: E 21 C 25/06

165786

A SPRINKLING DEVICE FOR SPRINKLING COOLANT SELECTIVELY ON THE CYLINDRICAL SURFACE ON A CUTTING DRUM WHICH USED FOR COAL MINING.

Applicant : CHARBONNAGES DE FRANCE, ETABLISSEMENT PUBLIC, OF 9, AVENUE PERCIER, 75008 PARIS, FRANCE, A FRENCH COMPANY.

Inventor : JEAN-JOSEPH DEMOULIN.

Application No. 930/Mas/85 filed November 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

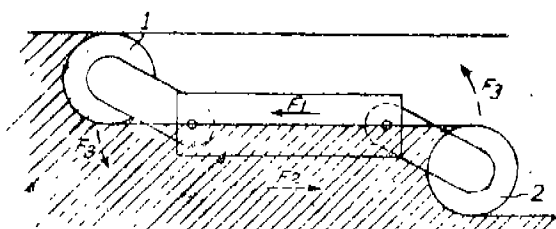
A springling device :

for sprinkling coolant selectively on the cylindrical surface on a cutting drum (1) which is used for coal mining having an end face or shearing disc provided with picks and a cylindrical surface provided with picks wherein two opposing cylindrical sectors (G, D) are distinguished, with possible common portion (C), the opposing sectors (G, D) being active alternately in accordance with the direction of movement of the drum (1);

characterised in that the said device comprises, in the central zone of the drum (1);

three concentric piping systems (7, 8, 9) each of which is connected by one end to at least one water delivery pipe (33 to 36) and leads individually either to ducts (10A) leading to the picks of the shearing disc or to fixed annular sectorial chambers (13, 19), to which correspond ducts (14, 20) which move in rotation, are distributed circumferentially and are joined to the picks of the cylindrical lateral face of the cutting drum (1);

these sectorial chambers (13, 19) having relative positions and circumferential extends corresponding to those of the active cylindrical sectors (G, D) of the drum (1).



Compl. specn. 14 pages

Drg. 5 sheets

Int. CLASS¹ : C 07 C 413/06

165787

A PROCESS FOR THE PREPARATION OF 1, 3-OXA-ZOLIDINE-2-ONE DERIVATIVE.

Applicant : NIPPON CHEMIPHAR CO., LTD., OF 2-2-3, IWAMOTO-CHO, CHIYODA-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors : (1) MITSUO, MASAHI. (2) HARUHIKO SHINOZAKI, (3) NASARU SATOH, (4) NAOKA MORI-TOH, (5) KOICHI HASHIMOTO, (6) TOSHIRO KAMI-SHIRO.

Application No. 963/Mas/86 filed December 11, 1986.

Divisional to Patent No. 162060 (382/Mas/85).

Ante-dated to May 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A process for preparing a 1, 3-oxazolidine-2-one derivative represented by the formula I of the accompanying drawings.

wherein R is a straight or branched alkyl group having 3 to 8 carbon atoms, X is a hydrogen or halogen atom or a C_1-C_3 alkyl or C_1-C_3 alkoxy group and n is an integer of 4 to 6, or an acid addition salt thereof, which comprises reacting in the presence of potassium carbonate or sodium

carbonate and in an organic solvent at a temperature of 50°C to the reflux temperature, a compound represented by the formula II of the accompanying drawings

wherein R and X have the same meaning as defined above, with a compound represented by the formula III of the accompanying drawings

wherein Z is a halogen atom or a tosyloxy, mesyloxy, or acetoxy group and n has the same meaning as defined above to produce the compound of formula I of the drawings; and optionally converting the reaction product into an acid addition salt thereof by reacting the reaction product with an acid.

The compounds prepared according to this invention have excellent blocking effects against glutamic acid as well as neuraxial muscle relaxing effects.

Compl. specn. 42 pages

Drg. 2 sheets

Int. CLASS⁴ : F 03 C 1/02; E 02 B 1/00

165788

IMPROVED FLUID FED MULTIPLE CYLINDER TWO STROKE RECIPROCATING ENGINES.

Applicant & Inventor : OTTIVAKKAM NATARAJAN DEVARAJAN, KEEL-OTTIVAKKAM, THIMMARAJAM-PET POST, AYYAMPET (VIA) CHINGLEPUT DIST., TAMIL NADU-631 601, INDIA, INDIAN NATIONAL.

Application No. 970 Mas/86 filed December 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

An improved fluid-fed multiple cylinder two stroke reciprocating engine comprising :

a plurality of Cylinders, each Cylinder-head having an outlet valve, a Crank Shaft having a flywheel connected to an adjustment Cam, capable of rotating in the same speed as that of the Crank Shaft;

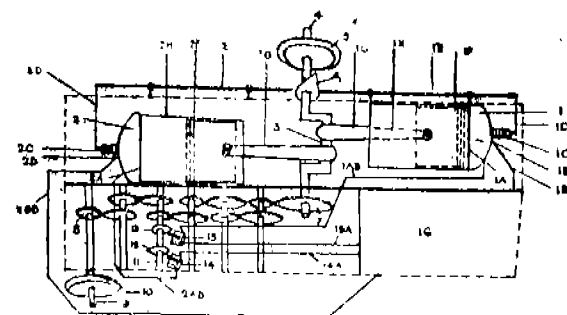
the said Crank Shaft having Cam adjustment to operate the valve of individual Cylinder;

a feed pump having an inlet and outlet valve operated by a set of Cams provided with a set of gears, and flywheel;

the said pump capable of pumping the fluid into the Cylinder;

to operate a piston and to rotate the Crank-Shaft on which the said adjustment cam is mounted;

the rotary movement of the Crank-Shaft enabling opening and closing of the valves in each cylinder head alternatively.



Compl. specn. 12 pages

Drg. 1 sheet

165790

PROCESS FOR THE SEPARATION OF AMINO ACIDS.

Applicant: R. IONE-POULENC CHIMIE, A FRENCH
BODY CORPORATE OF 25, QUAI PAUL DOUMER-
92408 COURBEVOIE, FRANCE.

Inventor : MARIE-CHRISTINE BITAR, JEAN-LOUIS SABOT, PAUL AVIRON-VIOLETT.

Application No. 514/Mas/87 filed 20th July 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

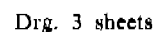
12 Claims

Process for the separation of amino acids in a substantially cystine-free mixture of amino acids, which comprises:

selectively extracting one of more amino acids from said mixture by counter-current contact of an aqueous solution of said mixture with a solution of an organophosphorus acid in a water-immiscible organic solvent selected from alcohols, ketones, ethers, hydrocarbons, and their mixtures; and

separating the resulting aqueous and non-aqueous phases.

Compl. specn. 26 pages



165791

MILLING HEAD AND A MILLING MACHINE WITH SAID MILLING HEAD.

Applicant & Inventor : DR. HANS WIEDERKEHR, OF
HANGSTRASSE 107, RUMLANG, SWITZERLAND.

Application No. 785/Cal/1985 filed November 05, 1985.

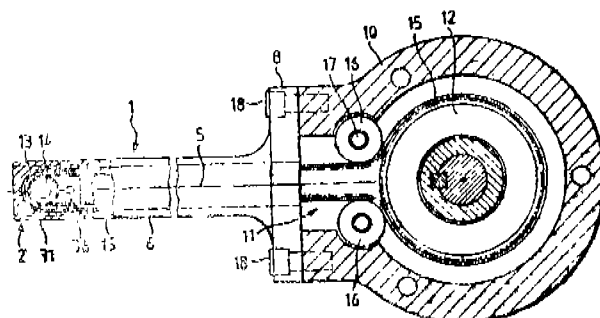
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta:

7 Claims

A milling head comprising:

an elongated bar-like hollow member having a free end and a drive end disposed along the axis of the elongated bar-like hollow member;

a rotary milling tool mounted in said free end for rotational movement about an axis substantially perpendicular to the axis of said elongated bar-like hollow member and drive means extending from the drive end toward the free end of said elongated bar-like hollow member for rotating said milling tool.



Compl. specn. 17 pages

Dwg. 3 sheets

165792

Applicant : ENGELHARD CORPORATION, 70 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY, U. S. A.

Inventors : (1) FRANCIS LOUIS HIMPSL, (2) ROBERT WILLIAM ANDREWS, (3) BARRY KEVEL SPERONELLO

Application No. 334/C-9/1986 filed April 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A process for producing zeolite microsphere fluid cracking catalysts which comprises:

(a) mixing microspheres of kaolin clay calcined at least substantially through the characteristic exotherm and metakaolin with a solution of sodium silicate or sodium silicate and sodium hydroxide, said mixture also containing a sodium aluminosilicate zeolite seeding material either contained in the microspheres or mixed into said solution of sodium silicate or sodium silicate and sodium hydroxide;

(b) heating the mixture until crystals of sodium zeolite Y as herein defined form in the microspheres, resulting in the formation of an alkaline sodium silicate mother liquor, microspheres containing at least 40% sodium zeolite Y, and ultrafine crystals of sodium zeolite Y and other ultrafine solids;

(c) separating microspheres from step (b) from said mother liquor under conditions such that ultrafine crystals of zeolite Y and other ultrafine solids are recovered as an aqueous effluent;

(d) recovering said ultrafine crystals of sodium zeolite Y and other ultrafine solids from the aqueous phase;

(c) mixing the recovered solids from step (d) with 0.60 to 0.80 parts by weight of sodium silicate to form a slurry;

(f) spray drying said slurry from step (e) to form microspheres comprising ultrafine solids recovered in step (d) and including crystals of sodium zeolite Y;

(g) forming at least a portion of the zeolite-containing microspheres from step (b) and at least a portion of the zeolite-containing microspheres from step (f) into separate slurries;

(h) and separately ion-exchange by known methods, the microspheres in the separate slurries to replace sodium with more desirable cations such as hydrogen, ammonium, rare earth and combinations thereof; the pH being initially in the range of 4.5 to 5.0 and thereafter 2.0 to 3.5 when ion-exchanging microspheres from step (f); and

(i) recovering by known methods the two-different types of ion exchanged zeolitic microspheres.

Compl specn. 36 pages

Drg. Nil

CLASS : 107-G; J

165794

In. Cl. : F 02 b 15 00: 39/00.

AN IMPROVED ENGINE RETARDING SYSTEM OF
A GAS COMPRESSION RELEASE TYPE.

Applicant - THE JACOBS MANUFACTURING COMPANY, AT 22 EAST DUDLEYTOWN ROAD, BLOOMFIELD CONNECTICUT 06002, UNITED STATES OF AMERICA

Inventor : ZDENEK SIDONIUS MEISTRICK.

Compl. specn. 15 pages

Dwg. 2 sheets

Int. CLASS : B 01 i 5 00

165793

PROCESS FOR PRODUCING ZEOLITIC MICRO-SPHERE FLUID CRACKING CATALYSTS

3 .. 417 GI/89

Application No. 398/Cal/1986 filed May 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An engine retarding system of

a gas compression release type utilizing a multi-cylinder four cycle internal combustion engine having a crank shaft and a cam shaft driven in synchronism with said crank shaft;

engine piston means associated with said crankshaft;

exhaust valve means and intake valve means associated with each cylinder of said engine;

pushtube means driven from said cam shaft;

hydraulic fluid supply means, hydraulically actuated first piston means associated with said exhaust valve means to open said exhaust valve means;

second piston means actuated by said push tube means and hydraulically interconnected with said first piston means and said hydraulic fluid supply means to open said exhaust valve means;

characterised in that said second piston means is actuated by said pushtube means to cause said first piston means to open said exhaust valve means

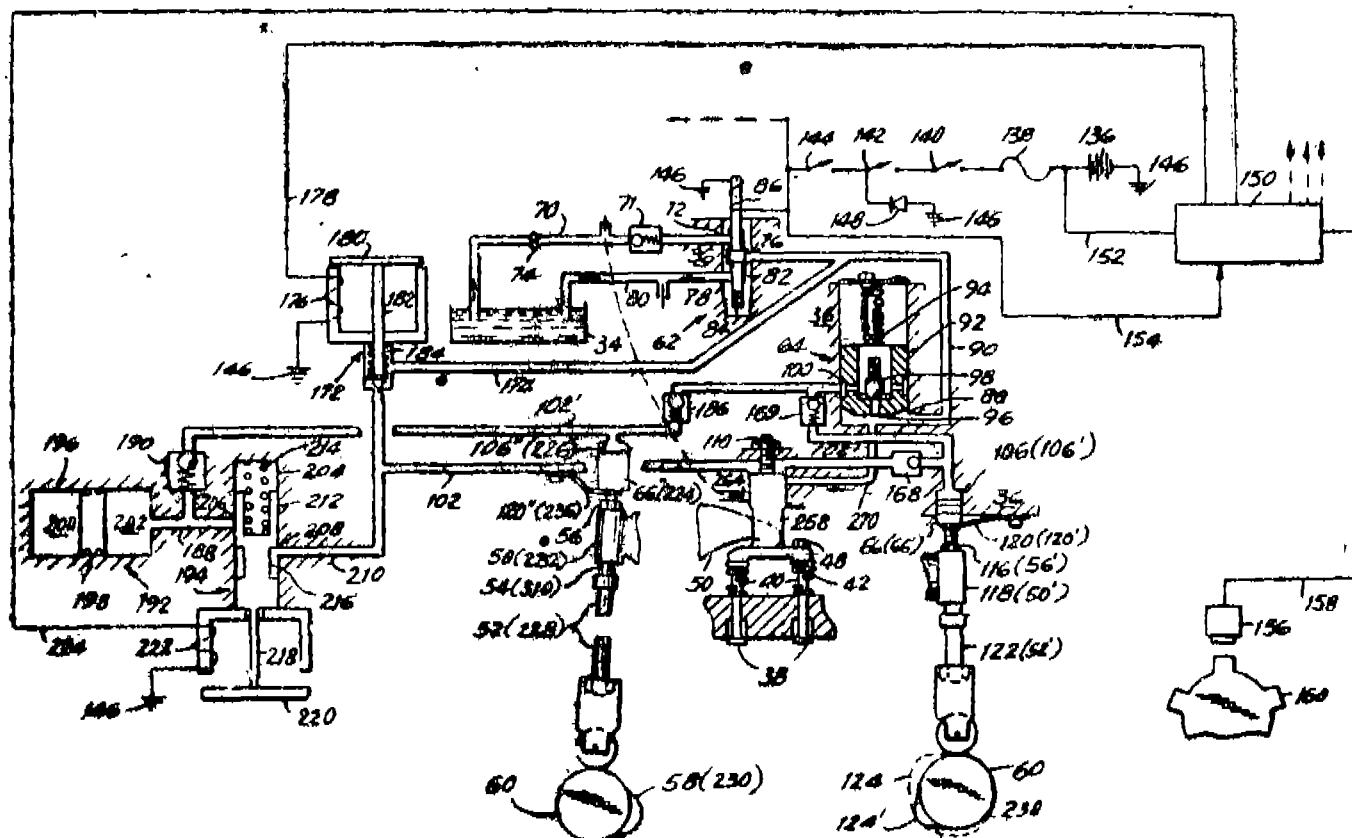
during an upstroke of the engine piston associated with said exhaust valve means corresponding to its compression stroke during normal operation of the engine to produce a first engine retarding event;

first means for holding said exhaust valve means open during a substantial portion of the ensuing downstroke of said engine corresponding to its expansion stroke during normal operation of the engine thereby to force a first air intake into the cylinder on downward movement of the engine piston associated therewith;

second means responsive to hydraulic pressure supplied by said hydraulic fluid supply means adapted to disable said exhaust valve means from moving at the point it would move in the cycle during normal operation of the engine;

third means operative near the bottom dead center portion of the engine piston during its downstroke to close said exhaust valve means at least to an extent to ensure occurrence of a second engine retarding event during the ensuing upstroke of the engine piston means corresponding to its normal exhaust stroke;

said first means being further adapted to fully close said exhaust valve means commencing at least during the ensuing downstroke of said engine piston means whereby two engine retarding events with intervening air intake events are provided for each two revolutions of the crank shaft.



CLASS : 198-A

165795

Int. Cl. : B 03 b 5/00.

METHOD FOR OBTAINING ORE/MINERAL CONCENTRATES FROM RAW ORES/RAW MATERIALS AND A JIG THEREFOR.

Applicant : KLAUS SCHONERT, TANNENHOHE 4, 3392 CLAUSTHAL-ZELLERFELD, F.R. OF GERMANY.

Inventors : (1) KLAUS SCHONERT, (2) ROLF GERSTENBERG.

Application No. 408/Cal/1986 filed June 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

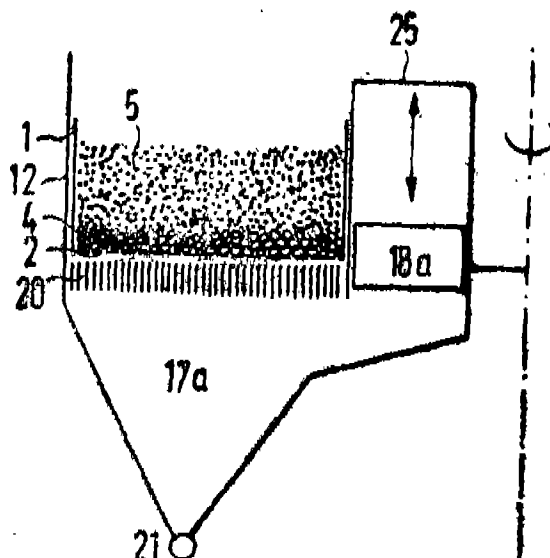
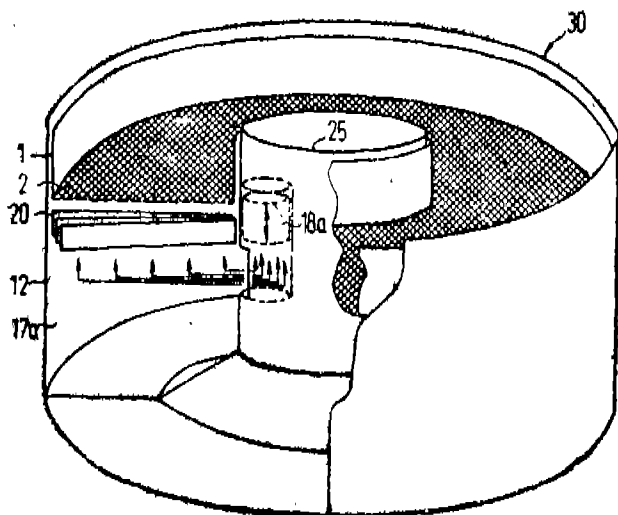
A method for obtaining ore/mineral concentrates from raw ores/raw minerals which comprises :

subjecting a layer of the feed material disposed on a screen to a step of jiggling in a working section periodically to vertical liquid medium flows from the bottom to the top of said feed material layer to obtain gravity separation into a heavy fraction which is withdrawn through the screen and a light fraction which is withdrawn above the screen;

wherein below said feed material layer a filter layer is introduced which consists of particles having a density which is approximately the same as that of the heavy fraction and a size which is within the limits of from 1.2 to 2.5 times the upper particle size limit of the feed material;

the height of the filter layer corresponding to at least twice the mean particle size of the filter layer particles;

for jiggling said feed material layer first is stratified such that the finer particles of the specifically lighter material mainly are transported into the upper part of the feed material layer, and during jiggling, the screen is moved horizontally from the feed point through the working section to the discharge point of the light fraction and the periodic inflowing is effected or adjusted in frequency such that the filter layer will adopt a porosity of between 60% and 70% by the upward stroke and the stroke amplitude will range between 50% and 200% of the filter layer height.



Compl. specn. 16 pages

Drg. 4 sheets

Int. CLASS : G 06 f 11/22

165796

A TEST SYSTEM FOR TESTING A PROGRAM IN A DISTRIBUTED PROCESSING SYSTEM.

Applicant : HITACHI, LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) KINJI MORI, (2) YASUO SUZUKI, (3) KATSUMI KAWANO, (4) MASAYUKI ORIMO, (5) MINORU KOIZUMI, (6) HIROKAZU KASAJIMA, (7) KOZOU NAKAI.

Application No. 599/Cal/1986 filed August 06, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A test system for testing a program in a distributed processing system including a plurality of processors connected through a network, each of said processors operating independently from each other, and each of said processors comprising :

means for determining whether or not said program in said distributed processing system is to be test-run, during on-line operation of said processing system;

means for acquiring a test information corresponding to said program when said program is to be test-run; and

means for executing said test-run of said program on the basis of said test information.

Compl. specn. 43 pages

Drg. 28 sheets

Int. CLASS : H 041 19/00

165797

CIRCUIT ARRANGEMENT FOR THE TRANSMISSION OF DATA SIGNALS BETWEEN CONTROL DEVICES CONNECTED TO ONE ANOTHER VIA A LOOP SYSTEM.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) KARL-HEINZ MICHELS-KROHN; (2) JOSEFF UNTERGRUBER; (3) ANGELA UNTERGRUBER.

Application No. 645/Cal/1986 filed August 26, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A system for transmitting data between a plurality of control devices connected to a clock-controlled transmission loop operated directionally dependent, said system including means for transmitting a transmit authorization signal around said loop from control device to control device which, upon receipt thereof by a control device, places that control device in a transmit authorization mode permitting transmission of data therefrom and each control device including :

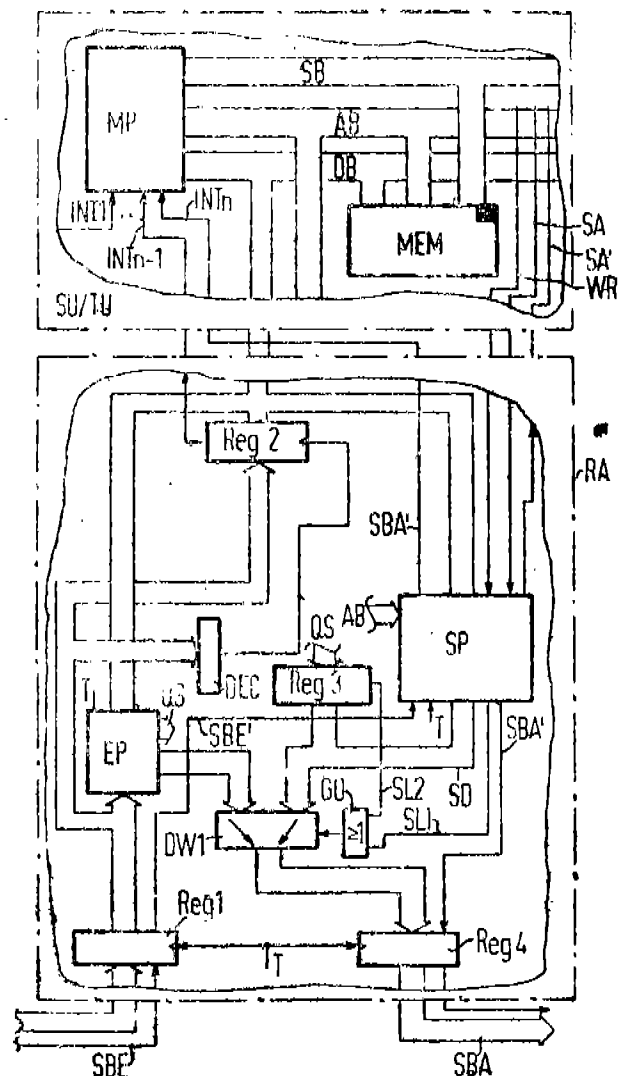
a signal compiler means for generating a data signal block with at least one receiver address attached thereto identifying another control device intended to receive said data signal block, said data signal block consisting of at least one word having a prescribed a number of bits;

a transmit buffer including an intermediate storage connected to said signal compiler means for accepting said data signal block therefrom word-by-word and a buffer control means connected to said intermediate storage and to said loop for receiving said transmit authorization signal from said loop, and upon receipt of said transmit authorization signal enabling a word-by-word read-out of said intermediate storage for emission thereof to said loop;

said intermediate storage including means for generating a control signal indicating an empty status of said intermediate storage when the last word is read therefrom;

said buffer control means including means for attaching a sender address to said data signal block identifying the control device transmitting said data signal block and a block end identifier as a last entry to said data signal block upon receipt of said control signal from said intermediate storage; and

said buffer control means further including means for forwarding said transmit authorization signal to a next control device via said loop after completing emission of said data signal block to said loop.



Compl. specn. 27 pages

Drg. 5 sheets

Int. CLASS : H 041 f9/00

165798

CIRCUIT ARRANGEMENT FOR THE TRANSMISSION OF DATA SIGNALS BETWEEN CONTROL DEVICES CONNECTED TO ONE ANOTHER VIA A LOOP SYSTEM.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY

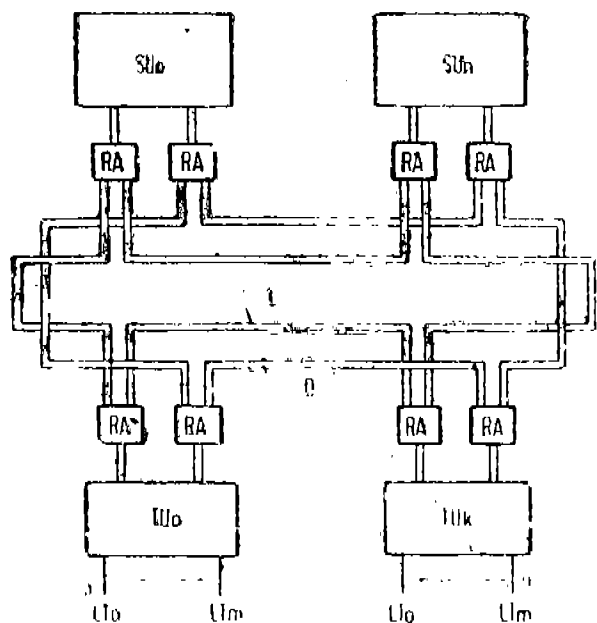
Inventors : (1) KARL-HEINZ MICHELS-KROHN, (2) JOSEFF UNTERGRUBER, (3) ANGELA UNTERGRUBER.

Application No. 647/Cal/1986 filed August 26, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A data transmission system for transmitting data via a clock-controlled loop operated directionally dependent among a plurality of control devices connected to said loop, each control device including :



means for forwarding a transmit authorization signal around said loop from control device to control device;

means for receiving said transmit authorization signal for generating a signal placing the control device receiving said transmit authorization signal in a transmit authorization mode;

a signals processing means for compiling data signals to be transmitted by the control device in the form of a data signal block having at least one data word of a prescribed number of bits, a receiver address attached to said data word identifying another control device intended to receive said data signal block, and a sender address attached to said data word identifying the control device transmitting said data signal block; and

a transmit buffer means for attaching auxiliary information to said data signal block and emitting the data signal block with said auxiliary information to said loop, said transmit buffer including a write/read memory having a plurality of storage cells for accepting a compiled data signal block word-by-word;

a counter means connected to said write/read memory, proceeding from an initial count and based on a first changing count which changes controlled by a write-in clock corresponding to the operating speed of said signal processing means for compiling, continually addresses said storage cells for word-by-word acceptance of said data signal block in said write/read memory, said first changing count stopping at a maximum count corresponding to the length of said data signal block, and said counter means further, in response to said signal from said means for receiving said transmit authorization signal, proceeding from another initial count and based on a second changing count controlled by a read-out clock corresponding to the operating speed of said loop, enabling word-by-word read-out of said data signal block from said write/read memory until said second changing count reaches also a maximum count;

a register for accepting the data signal block read from said write/read memory and attaching said auxiliary information thereto; and

means connected to said counter means and to said register for deriving said auxiliary information from selected counts of said counter means.

Compl. specn. 29 pages

Drg. 4 sheets

CLASS : 180

165799

Int. Cl. : F 24c 1/00; 5/00; 5/04; 5/10.

IMPROVEMENTS IN OR RELATING TO BURNER ASSEMBLY FOR DOMESTIC WICK STOVE.

Applicant & Inventor : ASIM KUMAR GOSWAMI, A. C. S. DUMDUM AIRPORT, CALCUTTA-700052, WEST BENGAL (INDIA).

Application No. 852/Cal/1986 filed November 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improved burner assembly for a domestic wick stove which comprises :

two cylindrical concentric vaporiser tubes having perforations throughout their surfaces characterized in that outer tube has outwardly triangle shaped projections, and the base of the said projections having a perforation in such a manner that the perforation remains at an acute angle of at least 10 degrees with reference to the axis of the tube and the inner tube has similar but inwardly triangle shaped projections and the base of the said projections has a perforation in a manner that the perforation remains at an acute angle of at least 10 degrees

with reference to the axis of the inner tube and the bottom edges of both the vaporiser tubes cooperate and fit in the corresponding grooves or recess provided around the circular combustion trough so that the circular or multiple wicks are enclosed between the space dividing the two vapouriser tubes.

Compl. specn. 5 pages

Drg. 1 sheet

Int. CLASS : F 16d 51/00

165800

AUTOMOBILE DRUM BRAKE OF THE SIMPLEX TYPE.

Applicant : ROCKWELL GOLDE GMBH, OF HANAUER LANDSTRASSE 338, 6000 FRANKFURT AM MAIN 1, F.R.G. GERMANY.

Inventors : (1) PETER BAUM, (2) DAVID EDWARDS.

Application No. 902/Cal/1986 filed December 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

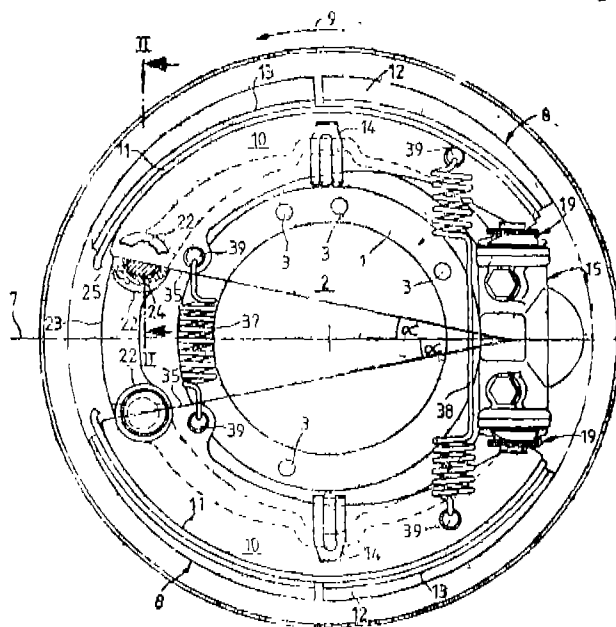
Automobile drum brake of the simplex type, comprising :

two brake shoes floatingly disposed on a brake bracket, which are each supported with one web end slidably on a tightening device acting in both directions and rigidly mounted on the brake bracket and with the other web end slidably against a support bearing mounted fixed on the brake bracket and are connected to each other by check springs;

characterized in that the support bearings are each formed of a support pin (26), which is mounted on the brake bracket rotatably about its axis, (31) oriented perpendicularly to the brake bracket (1) and is equipped with a bearing surface (base surface 34) situated depressed with respect to its circumferential surface, which (bearing surface) extends rectilinearly transversely to the axis (31) of the support pin (26) and on which a counter-surface (35);

extending correspondingly rectilinearly and disposed on the associated end of the brake shoe web (10), is slidably journaled, the counter-surface (35) being oriented convergingly towards the brake centre at an acute angle (α) to the axis of symmetry (7) of the brake bracket (1).

Fig. 1



Compl. specn. 20 pages

Drg. 3 sheets

CLASS : 14A₂

165801

10 Claims

Int. Class : H 01 m 35/00, 3/00.

LEAD ACID STORAGE BATTERY.

Compl. specn. 13 pages

Drg. 1 sheet

Applicant & Inventor : EUGENE WOZNAK, A.U.S. CITIZEN OF 12960 SOUTH AVENUE, BLUE ISLAND, ILLINOIS 60406, UNITED STATES OF AMERICA.

Application for Patent No. 516/Del/85 filed on 1st July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A lead acid storage battery having a casing for storing electrolyte therein and a stack of planar negative and positive electrodes in alternating assembly upstanding in the casing and an oxide material retention mat juxtaposed opposite surfaces of each electrode, the lead acid storage battery characterised by :

- A. A separator plate sandwich assembly for each said negative electrode, said assembly comprised of a pair of like opposing, planar wall segments spaced one from the other by protruding formations along their proximate lateral marginal edges and joined along their proximate lateral marginal edges to form a pocket formation opening to the top and bottom edges thereof with said opposed walls sandwiching the negative electrode and juxtaposed retention mats therebetween in the pocket formation;
- B. cooperatively engaged locking means integrally formed with said protruding formations to lock together and seal the lateral margins of the separator plate assembly from electrical paths therethrough effecting short circuiting between said positive and negative electrodes yet permitting flow-through of electrolyte relative the negative electrodes; and
- C. said wall segments being so spaced so as to frictionally engage said negative electrode and its juxtaposed retention mats between the walls, said locking means being placed relative to said wall segments so as to provide vertically extending acid flow channels at the lateral margins of the electrode and mats in the pocket formation for free flow of the electrolyte across the sandwiched negative electrode.

Compl. specn. 13 pages

Drg. 1 sheet

Int. CLASS⁴ : C 08 L 43/04

165802

A CROSSLINKABLE COMPOSITION AND A PROCESS FOR PREPARING THE SAME.

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W 0SU, ENGLAND.

Inventor : JEFFREY DAVID UMPLEBY.

Application for Patent No. 563/Del/85 filed on 17th July, 1985.

Convention date 20th July, 1984/8418592/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A crosslinkable composition comprising :

- (A) A silyl copolymer prepared by copolymerising ethylene and an unsaturated silane compound having one or more hydrolysable groups, optionally together with one or more other monomers of the kind such as herein described copolymerisable therewith; and
- (B) 0.001 to 10% by weight based on the weight of the silyl copolymer of a dihydrocarbyl tin (IV) carboxylate compound wherein the carboxylate units in the tin compound are provided by a dicarboxylic acid.

Complete specification 13 pages.

Int. CLASS⁴ : C 08 F 2/00

165803

PROCESS FOR RENDERING THE INTERNAL SURFACES OF A POLYMERIZATION REACTION VESSEL SUBSTANTIALLY RESISTANT TO POLYMER BUILD-UP.

Applicant : THE B. F. GOODRICH COMPANY, A NEW YORK CORPORATION, OF 500 SOUTH MAIN STREET, AKRON, OHIO 44318, U.S.A.

Inventor : KEITH LESLIE GARDNER.

Application for Patent No. 689/Del/89 filed on 21st August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for rendering the internal surfaces of a polymerisation reaction vessel substantially resistant to the build-up of polymers thereon which comprises coating said surfaces with at least one phenolic compound of the kind described herein and from 0.01 part per million to 200 parts per million based on the weight of the aqueous reaction medium within said reactor of at least one water phase polymerisation inhibitor of the kind described herein.

Complete specification 18 pages.

Int. CLASS⁴ : B 65 D 35/00, 35/10.
B 32 B 27/30.

165804

IMPROVED LAMINATE OF LAYERS OF ETHYLENE VINYL ALCOHOL COPOLYMER, METAL FOIL, PAPER AND COLLAPSIBLE PASTE DISPENSING CONTAINER MADE THEREFROM.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : EDWARD ALBERT TAVSS, SAMUEL C. TEMIN, JOHN SANTALUCIA and DAVID LEIGH CARROLL.

Application for Patent No. 1031/Del/85 filed on 5th December, 1985.

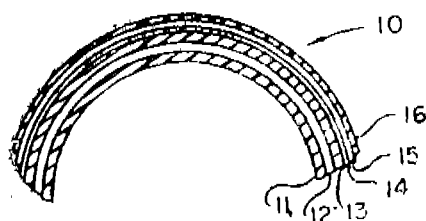
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved laminate comprising :

- a first layer of a ethylene vinyl alcohol copolymer;

- a second layer of metal foil;
- a third layer of paper and a fourth layer of a ethylene vinyl alcohol copolymer;
- said layers being bonded to one another in any known manner.



Compl. specn. 11 pages

Drg. 1 sheet

Int. CLASS⁴: F 28 F 9/00

165805

DUCT FOR CONVEYING SMOKE FILLED WITH FINE ASH PARTICLES AND HAVING HEAT EXCHANGERS AND PROTECTIVE DEVICES FOR PROTECTING THE HEAT EXCHANGERS.

Applicant : STEIN INDUSTRIE, OF 19-21 AVENUE MORANE SAULNIER, 78140 VELIZY VILLACOUBLAY, FRANCE, A FRENCH BODY CORPORATE.

Inventors : ROGER BESSOUAT, JEAN-CLAUDE MEVEL and MICHEL VANDYCKE.

Application for Patent No. 1041/Del/85 filed on 10th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

Duct for conveying smoke filled with fine ash particles and having :

heat exchangers and protective devices for protecting the heat exchangers;

said heat exchangers consisting of parallel grids of tubes;

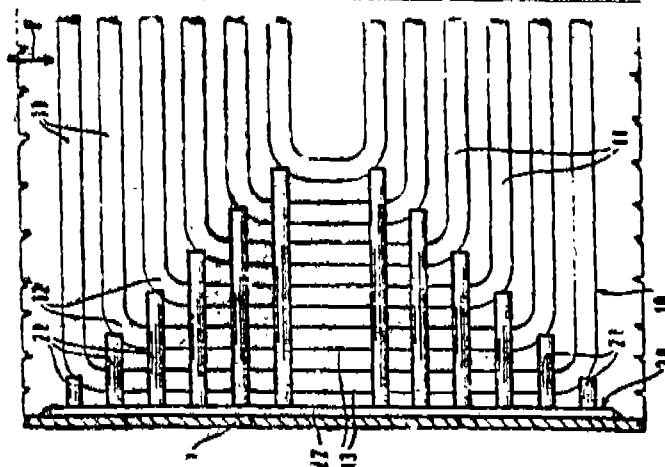
each said grid comprising rectilinear lengths of main tubes extending perpendicular to the direction of smoke movement in the duct and connected to end tubes extending parallel to the direction of smoke movement;

said end tubes being adjacent the wall of the duct and having a head loss coefficient lower than head loss coefficient of the main tubes;

higher speeds of the ash containing smoke occurring in the region of said end tubes than at said main tubes, and a plurality of protective devices consisting of panels for equalising the obstacle presented by said end tubes and said main tubes whereby erosion occurring at said end tubes because of said higher speeds of ash containing smoke thereat is avoided;

each said panel being located between each adjacent pair of grids of tubes at the position of said end tubes;

each said panel extending parallel to the grid of tubes.



Compl. specn. 9 pages

Drg. 4 sheets

Int. CLASS⁴: G 01 B 9/00

165806

A BRIDGE TYPE COORDINATE MEASURING MACHINE.

Applicant : THE WARNER & SWASEY COMPANY, A MICHIGAN CORPORATION, OF 11000 CEDAR AVENUE, CLEVELAND, OHIO 44106, UNITED STATES OF AMERICA.

Inventors : FREDDIE RALEIGH and ROBERT BRAND-STETTER.

Application for Patent No. 1047/Del/85 filed on 11th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A bridge type coordinate measuring machine having :

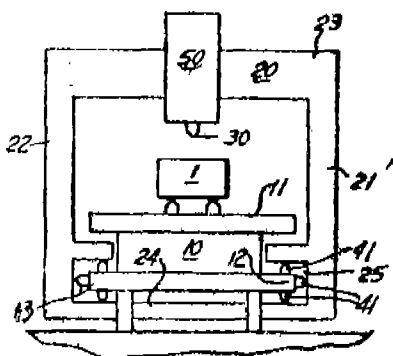
a base (10) that includes a horizontal table surface (11) for supporting a workpiece to be measured;

a bridge (20) having a closed loop configuration being formed by two uprights (21, 22), a first member (23) connecting the uprights (21, 22) together above the horizontal table surface (11), and a second member (24) connecting together the uprights (21, 22) of the bridge (20) below the table surface (11), means (12, 13, 41) for moveably mounting the bridge (20) to the base for movement of the entire bridge along a first horizontal axis, said means having a pair of guideways (12, 13) coacting with a plurality of bearing means (41), said guideways and bearing means located below the horizontal table surface (11), one of said guideways (12) and its respective bearing means (41) located at one side of said base (10) and the other of said guideways (13) and its respective bearing means (41) located at the opposite side of said base (10);

a probe (30); and

means (50, 31) for mounting said probe (30) to said first member (23) of said bridge (20) for movement along a second horizontal axis and a vertical axis, said first horizontal axis, said second horizontal axis and said vertical axis being orthogonal to each other to enable said probe (30) to measure a workpiece positioned on the horizontal table surface (11), said means for moveably mounting the bridge

to the base characterised in that the bearing means (41) have bearings that operate in at least two directions against each said guideways (12, 13).



Compl. specn. 11 pages

Drg. 3 sheets

Int. CLASS⁴ : B 21 C 23/00

165807

AN APPARATUS FOR REDUCTION/EXTRUSION OF TUBES.

Applicant : STEVENS & BULLIVANT LIMITED, A BRITISH COMPANY, OF WESTERN ROAD, BIRMINGHAM B18 7QE, ENGLAND, UNITED KINGDOM.

Inventor : ALFRED JAMES THOMPSON.

Application for Patent No. 1058/Del/85 filed on 13th December, 1985.

Convention date January 12, 1985/8500785 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Apparatus for deduction/extrusion of tubes, comprising :

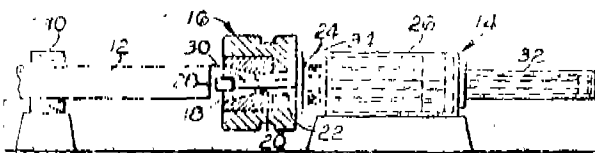
at least one extrusion die having a frusto-conical bore;
at least one mandrel which extends axially through said bore;

a head on one end of the mandrel located adjacent to the larger end of said frusto-conical bore;

means for fixing a tubular workpiece in position so that one end of the same is received in the larger end of the said bore and said head is inside the workpiece;

ram means for displacing the die axially towards said fixing means to push-point the tube; and

ram means for displacing the headed mandrel in the opposite direction to the movement of the die, the transverse diameter of the mandrel head being equal to the internal diameter of the finished reduced portion of the tube.



Compl. specn. 10 pages

Drg. 3 sheets

Int. CLASS⁴ : C 07C 79/10

165808

PROCESS FOR THE PREPARATION OF 4-NITRODI-PHENYLAMINES.

Applicant : BAYER AKTIENGESellschaft, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

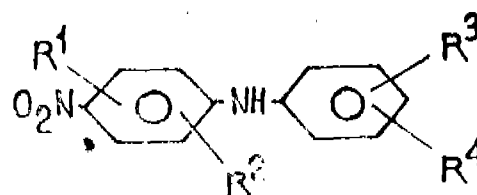
Inventors : CHIRARANJAN PODDER and HARRO SCHLESMAHN.

Application for Patent No. 1072/Del/85 filed on 17th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

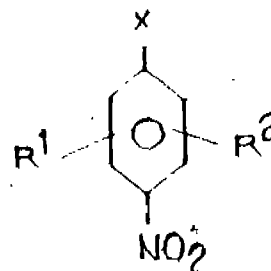
4 Claims

Process for the preparation of 4-nitrodiophenylamines corresponding to formula I



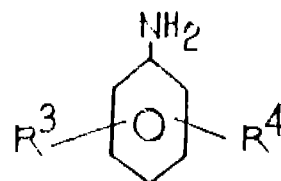
Formula I

of the accompanying drawings, wherein R¹, R², R³ and R⁴, which may be identical or different, stand for hydrogen or an alkyl group having 1 to 9 carbon atoms, by the reaction of halonitro compounds corresponding to the formula II



Formula II

of the accompanying drawings, wherein X stands for chlorine or bromine and R¹ and R² have the meanings indicated above with primary aromatic amines corresponding to the formula III



Formula III

of the accompanying drawings wherein R³ and R⁴ have the meanings indicated above, in the presence of potassium carbonate and copper compounds, characterised in that (1) carbonic acid amides for derivatives thereof are added, (2) 1 to 6 mol of amine are added per mol of halonitrobenzene and (3) from 1.2 to 2 mol of the amine are added before the beginning of the reaction at such a rate that the molar excess of amine over halonitrobenzene is constantly from 100 to 400%.

Compl. specn. 11 pages

Drg. 1 sheet

Int. CLASS⁴ : C 08 F 10/00

165809

PROCESS FOR THE PREPARATION OF DEGRADED MODIFIED C_8-C_8 MONOOLEFIN HOMOPOLYMER OR COPOLYMERS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDTLAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventor : SOL DAVISON

Application for Patent No. 1077/Dcl/85 filed on 18th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the preparation of a degraded modified C_8-C_8 monoolefin homopolymer or copolymer which process comprises adding 0.001 to 1.0 parts by weight of a peroxide as herein described to 100 parts by weight of said homopolymer or copolymer and heating the resulting mixture in a melt extruder at a temperature of from 150°C to 300°C, characterised in that :

- a. said peroxide has a decomposition time that equals the half-life of the peroxide at the temperature in the extruder;
- b. the rate of addition of said peroxide is cyclically varied in a manner as herein described at a frequency with a period longer than the decomposition time of said peroxide, but shorter than the passage time of said mixture through said extruder, and the reaction of the peroxide is continued under said conditions to produce a modified polymer having a melt flow index of 0.5 to 20 dg/m.

Compl. specn. 17 pages

Drg. 1 sheet

Int. CLASS⁴ : B64D 15/00, 15/12.

165810

H 05 B 3/10, 3/16, 3/20.

A DEVICE FOR DEICING A WING STRUCTURE.

Applicant : AERUSPATIALE SOCIETE NATIONALE INDUSTRIELLE, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF 37, BOULEVARD DE MONTMORENCY, PARIS 75016, FRANCE.

Inventors : PHILIPPE BARBIER, ALAIN COHENDY and REMY REYNET.

Application for Patent No. 1078/Del/85 filed on 18th December, 1985.

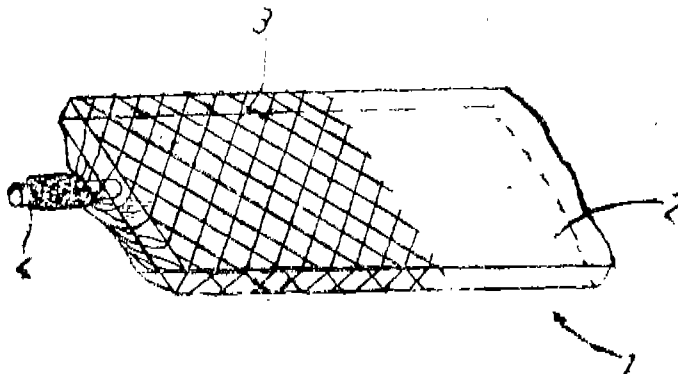
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A device for deicing a wing structure such as the wing of an aircraft or the blades of a helicopter including an electric resistance element which comprises :

conducting carbon fibers in the form of at least one ribbon having opposite ends, the fibers being oriented longitudinally and preimpregnated with resin, said fibers being embedded in a composite fiber/synthetic resin structure.

- a knitted tubular metal mesh element engaged and fixed to one end of the at least one ribbon; and
- a power wire soldered to said tubular metal mesh element.



Compl. specn. 10 pages

Drg. 2 sheets

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 161458 & 161469. Docbel Industries, 3/17, Asaf Ali Road, New Delhi-110002, India, an Indian Proprietorship firm. "Weighing Scale". 25th September, 1989.

Class 3. Nos. 161015 to 161017. MCG Closures Limited, a British company, of Bromford Lane, West Bromwich, West Midlands B70 7HY, England. "Container Closure". 29th May, 1989.

Class 3. No. 161027. M/s. Suveg Electronics A Registered Partnership firm having its principal Place of Business at Sorabvilla, Besides Popular House, Ashram Road, Ahmedabad-380 009, Gujarat State (India). "Device of Booster". 30th May, 1989.

Class 3. No. 161052. Sreedharan Nair Sasikumar, of Anitha Sadanam, Theertha Padapuram P.O. Vazhoor, Kottayam, Kerala 686505, India, an Indian National. "a Rainguard for use in rubber Plantations to prevent rainwater contamination of latex". 5th June, 1989.

Class 3. Nos. 161072 & 161073. The Goodyear Tire & Rubber Company, a corporation organised under the laws of the State of Ohio, with offices at 1144 East Market Street, Akron, Ohio 44316-0001, United States of America. a "Tyre for a Vehicle Wheel". 13th June, 1989.

Class 3. No. 161074. Pearl Polymers Ltd., 704, Robit House, 3 Tolstoy Marg, New Delhi-110 001, India, an Indian Company registered under the Provisions of Indian Companies Act, 1932. 13th June, 1989.

Class 3. No. 161137. Telemecanique, a French Corporation of 43-45, Boulevard Franklin Roosevelt, 92500 Neuilly Malmaison, Franch. "a Contactor". 3rd July, 1989.

Class 3. No. 161138. Telemecanique, a French Corporation of 43-45, Boulevard Franklin Roosevelt, 92500 Rueil Malmaison, France. a "Protector for a Contact Maker/Electromagnet Coil". 3rd July, 1989.

Class 3. No. 161278. Indian Cosmetics, 35J Raja Naba Kissan Street, Calcutta-700 005, West Bengal, India, an Indian Proprietorship Concern. "Container". 8th August 1989.

Class 3. No. 161281. M/s. K. B. Industries, of 38-B, Prawasi Industrial Estate, Off Aarey Road, Goregaon (East), Bombay 400 063, Maharashtra, India, Indian Partnership firm. "Multipurpose Stand". 9th August, 1989.

Class 3. Nos. 161455 to 161457. Docbel Industries, 3/17, Asaf Ali Road, New Delhi-110002, India, an Indian Proprietorship firm. "Weighing Scale". 25th September, 1989.

Class 3. No. 161565. Shree Krishnakeshav Laboratories Ltd., of Amraiwadi Road, Ahmedabad 380 008, Gujarat, India, an Indian Company. "Bottle". 25th October, 1989.

Class 4. No. 161460. Docbel Industries, 3/17, Asaf Ali Road, New Delhi-110002, India, an Indian Proprietorship firm. "Weighing Scale". 25th September, 1989.

Class 8. Nos. 161407 to 161409. Amar Carpets, Aurai-221301, Distt. Varanasi, U.P. State, India, an Indian Partnership concern. "Carpet". 12th September, 1989.

Class 10. No. 161271. M. J. Sports, Ganesh Nagar, Basti Nau, Jalandhar-144002, Punjab, India. An Indian Partnership firm. "Sole of Footwear". 8th August, 1989.

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No. 154058. Class 1

Nos. 155442, 155444. Class 3.

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